WALLACES' FARMER
and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER A SEPTEMBER 15, 1956

Feeders moving fast!

CATTLE feeders are optimistic this fall. That's indicated by early activity at feeder markets. Movement of stocker and feeder cattle from public stockyards during July was 41 percent greater than in July, 1955. And in early August, feeder steer supplies at 10 leading markets were running 51 percent above a year earlier.

Feeder cattle prices at the 10 markets during the third week of August averaged 50 cents above the same week a year earlier.

Photo shows Edwin Berthel (right) of Jackson county, Iowa, looking at Wyoming yearlings in the Omaha Stockyards. He paid $22.50 for 595-pound steers.

Hog pastures outdated? . 22

Rules on corn loans . . . 66

State Fair livestock. . . . 94

Fertilize
100 ACRES PER DAY
the easy, low-cost way!

Ask your ARCADIAN® Dealer about the new low price of ARCADIAN URAN®, the easy-to-use Nitrogen Fertilizer Solution you can spray or dribble right on top of soil, sod, stubble or growing grain.

URAN saves work, makes each hour of labor pay you more. All you do is fill your tractor applicator tank with a hose and take off across your field, fertilizing 100 to 200 acres per day with a high-quality combination of urea and ammonium nitrate nitrogen.

Pumps and machinery do the work. All you lift is the end of a hose. No bags to lift, no unseen skips in the field, no loss of ammonia to the air. You can apply URAN yourself with low-cost equipment or your ARCADIAN dealer can do the job for you.

ARCADIAN URAN contains both quick-acting and long-lasting nitrogen. Spray it on wheat and other small grains to make them ***get up and grow!*** Spray it on pastures for big yields of protein-rich grazing. Spray it on sod and stubble for fall plowdown to build nitrogen-rich organic matter for next year's crops.

See your ARCADIAN dealer! Get all the facts on economical, easy-to-use ARCADIAN URAN. Ask also about ARCADIAN NITRANA®, the low-cost, low-pressure Nitrogen Solution you inject into the soil. ARCADIAN is always your best nitrogen buy!

NITROGEN DIVISION Allied Chemical & Dye Corporation
New York 6, N. Y. • Indianapolis 20, Ind. • Ironton, Ohio
Omaha 7, Neb. • Kalamazoo, Mich. • Columbia, Mo.

NITROGEN DIVISION ALLIED CHEMICAL

Arcadian® Nitrogen Solutions

THE EASY WAY TO MAKE CROPS PAY!

WALLACES' FARMER AND IOWA HOMESTEAD, September 15, 1956 (Vol. 81, No. 19). Published first and third Saturdays of each month by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, one year for one dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1956, by the James M. Pierce Corporation.

GOODYEAR'S FAMOUS

SURE-GRIP D-15

only $42.75 plus tax and your recappable tire — for size 9-24, 4-ply rating. Other sizes also thriftily low-priced at most Goodyear dealers'. Prices subject to change.

DO YOU KNOW what continuing surveys show? They show that, *regardless of price*, more farmers want Goodyear tractor tires than all other makes *PUT TOGETHER!*

So when you can get a real Goodyear, with all its savings in time, trouble, gas and long wear—for about what you'd pay for some imitation—why take chances?

Visit your helpful Goodyear dealer. Compare the SURE-GRIP D-15 with any other tractor tire at anywhere near its price—and join the "SAVIN'EST" farmers in America! Goodyear, Farm Tire Dept., Akron 16, Ohio.

WHY SURE-GRIP PERFORMANCE IS BEST FOR THE MONEY:

O-P-E-N C-E-N-T-E-R with *straight* and *longer* lugs means cleaner bites, stronger pull.

DEEPER, FLATTER TREAD WITH *STRAIGHT* AND *LONGER* LUGS means greater lug-to-soil contact, vastly improved traction—yet smoother roll, longer, more even wear.

TOUGHER RUBBER COMPOUNDS PRESERVE LUGS, give greater resistance to weather-checking and chipping.

STRONGER BODY increases tire life, protects your investment.

SEE THIS MONEYSAVING *FRONT* TRACTOR TIRE!

NEW FARM RIB

only $11.90 (4.00-15—4-ply rating). Plus tax and your recappable tire. Price subject to change.

Three ribs for easy steering—wide tread for extra flotation—tougher rubber compounds and husky beads for greatest-ever durability!

GOODYEAR TIRES

Look for this nearby Goodyear dealer sign for better tire values—better tire care. Convenient credit terms.

GOODYEAR

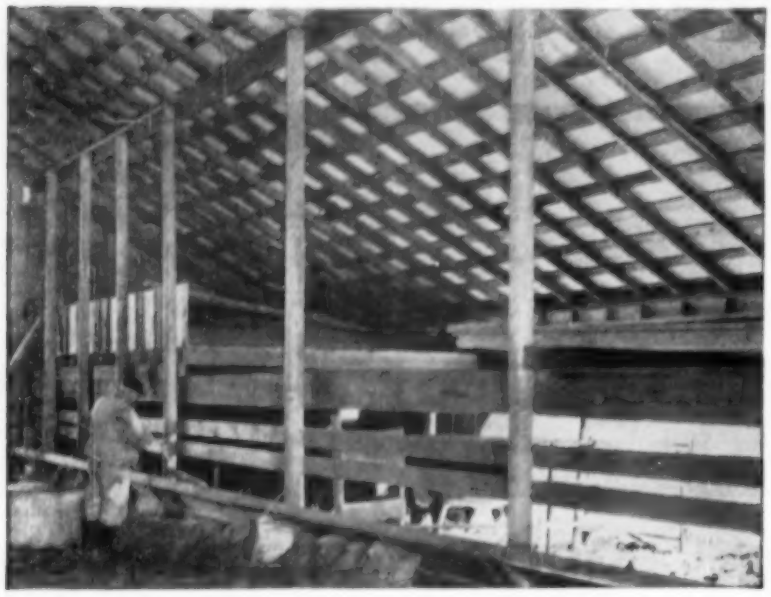
Sure-Grip—T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

MORE FARMERS PREFER GOODYEAR TRACTOR TIRES THAN ALL OTHER MAKES *PUT TOGETHER!*

DOW

PENTA*

protects wood year after year...
saves labor and replacement costs



POLES
for buildings

This 50' by 60' combined cattle and feed shed was built on PENTA-treated poles† on the farm of Sam Gibbs near Industry, Kansas. The structure holds 5,000 bales of hay and will feed 40 head of cattle. Poles serve as foundation, studding and roof support. *PENTAchlorophenol prevents rot and termites . . . assures a sturdy, permanent building.

POSTS
for fences

PENTA pressure-treated posts† last years longer because they're protected against termites and rot. PENTA-treated posts are clean and easy to handle, even on hot summer days. They can be painted, too, after a few months in the ground. These PENTA 6" split posts are on the farm of Burrell Lamb, Atlanta, Missouri.

† For your own protection, buy from your local dealer who handles poles and posts that meet Government Specification TT-W-571.

MAIL THIS COUPON TODAY

THE DOW CHEMICAL COMPANY
Dept. PENON-5, Midland, Mich.

Name _____
Rural Route No. _____
Town _____ State _____

Please send me, without cost or obligation:
☐ Booklet "PENTA Pressure-Treated Farm Posts".
☐ Information on low-cost PENTA-treated pole buildings.
☐ I am interested in pole buildings for _____

you can depend on DOW CHEMICALS DOW

Worrying about children is a constant occupation of farm mothers. Even a competent tractor operator like young Owen Solomanson of Winnebago county, Iowa, gets some advice from mother about taking it easy.

INSIDE STUFF

WHAT DO you worry about most? Rain, hog prices, or why 'teen-age Johnnie isn't home by two o'clock?

IN THE OLD-TIME community, youngsters were always under the eye of somebody who knew them. They couldn't walk or ride very far from home.

NOW THESE youngsters can dash half way across the state. What they do is up to them. Unless the law catches them, nobody will know. It's a harder test than Grandpa met.

YOUNG VOTERS—20 to 34 years—may decide the election. More undecided than in any other age group. Which way will these undecided young people turn?

HAPPIEST note of the summer was the miracle that came to some farms in southern Iowa and northern Missouri. I saw them in early July, as farmers hauled water, watched pastures burn up, and corn starting to fire.

THEN THE RAINS came. The ponds filled. The corn took heart. Pastures greened up. Even some hay fields revived.

A BANK in Knoxville, Iowa, is pushing lard sales. The Community National Bank and Trust Company says Marion county lives on hogs. So a boost for lard helps the whole county.

THE BANK offered free coupons for a discount on buying a three-pound can of "Golden Lard." Have any other banks tried a plan like this?

ALMOST EVERYBODY has a kind word for Point Four activities. This is the kind of work where you give a scythe to a man who has always used a sickle. Or help him to get a strain of corn that will yield more.

KIND WORDS, but not much money. Congress appropriated only four percent of total foreign aid funds for this kind of work.

AT OUR PLACE, we entertained a six weeks old Malamute husky pup the other day. Her parents were at the state fair, but Sheila came home with us until her new owner could take her to Hardin county.

OUR YELLOW CAT, Sandy, will miss Sheila. Sandy always hopes to get a very young pup and train him up so he'll regard cats with respect and veneration.

ALL PUPPIES—and all kittens, not to mention calves and little pigs—have great charm, but this Malamute seemed unusually attractive and amiable. Maybe it's just that we haven't had a pup around for a while.

THIS IS the time of year I begin to regret the end of summer. In spite of tornadoes, hail storms and blistering hot winds. How many days now until the first snow?

—DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
"GOOD FARMING, CLEAR THINKING, RIGHT LIVING"
(Volume 81—Number 18)
RICHARD S. PIERCE, Publisher
Published first and third Saturday of each month, at 1912 Grand Avenue, Des Moines, Iowa. Subscription price, postpaid, $1 for one year. Canada and foreign countries, $1.75 for one year.
Editors: Arthur T. Thompson, Donald R. Murphy, Homer Hush, Leon E. Thompson, David E. Bryant, J. Raymond Franklin, Alvin F. Ball; Zoe Murphy, Home Department. Editorial Service: Lloyd Kline, Richard Pommerehn.
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Entered as second-class matter, October 19, 1929, at the post office at Des Moines, Iowa, under the act of March 3, 1879.

SERVICE & QUALITY

HARDWARE STORES

Fall Value Days Sale

Low, Low Prices Made Possible by the tremendous buying power of hundreds of stores in 21 states!

ALBERT CITY
Johnson Hardware
ALGONA
Hall-Strahorn Hardware
105 E. State St.
ALLISON
Allison Hardware
ALTA
Rystad Bros. Hardware
ANTHON
Thayer Hardware
AVOCA
Berthusen Hardware & Furn.

BOONE
Hamilton Hdwe.
712 Story St.
CARLISLE
Laverty Hardware
CEDAR FALLS
Cedar Falls Hardware
306 Main St.
CEDAR RAPIDS
Sondrol's Variety & Hdwe.
1507 1st Ave. S.E.
CEDAR RAPIDS
Severns' Vernon 30 Hardware
30th & Mt. Vernon Road
CHARLES CITY
Meusel Hardware
CHEROKEE
Klatt's Hardware
CLARINDA
Wilson Hardware
CLEAR LAKE
Miller Hardware
CLERMONT
Clermont Brick & Sand

DAVENPORT
Witt Hardware
610 West 3rd
DES MOINES
B & G Hardware
2543 E. Walnut
DES MOINES
Farm & Home Hdwe.
2403 Hubbell
DES MOINES
O'Donnell Hdwe.
1201 Army Post Road
DES MOINES
Shriver Hardware
2615 Beaver
DUBUQUE
Kleih's Hdwe.
1290 Central Ave.

FONTANELLE
Van Vleet Hardware
FOREST CITY
Perry & Totten Hardware
FREDERICKSBURG
Fredericksburg Hardware

GEORGE
Grotewold Hardware
GLIDDEN
The New Graves Hardware
GOWRIE
Tedford Hardware
GRANVILLE
Bachmann Electric & Appl.
GUTTENBURG
Kuempel & Lake

HAMPTON
Chaffin Hardware
HAWKEYE
Aspinwall Hardware
HIAWATHA
Hiawatha Hardware

IDA GROVE
Wilkins Hardware

JEFFERSON
The New Joen's Hardware
102 N. Chestnut

KANAWHA
Gabel Hardware

LAKE CITY
Watter's Hardware & Elec.
LAKE MILLS
Wendt Hardware
LAURENS
Ekstam Hardware

MOVILLE
Oliver Hardware

NASHUA
Meusel Hardware
NEW LONDON
De Spain Hdwe.

OGDEN
Cornwall Hardware
OSAGE
Osage Hardware
OSSIAN
Becker Hardware

PARKERSBURG
Anderson Hardware
POMEROY
Pomeroy Impl. Co.
REINBECK
John Schmidt Hdwe.
SAC CITY
Ammer Hardware
SCRANTON
Bair Hardware

SHELDON
Geiger's
SHENANDOAH
Lutz Hardware
609 W. Sheridan
SIOUX CITY
Blackstone's Pierce St. Hdwe.
1516 Pierce St.
SIOUX RAPIDS
Larsen Hardware
SPIRIT LAKE
Avery & Benzer
ST. LUCAS
Ken's Hardware
SWEA CITY
A. B. Tweeten Hdwe.

THORNTON
Kolb Hardware

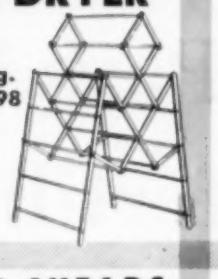
WALNUT
Hoffman & Koehrsen
WEST BEND
M. E. Jones & Sons
WEST DES MOINES
West Des Moines Hardware
215 5th

ZEARING
Johnson Hardware

CLOTHES DRYER

Special

ONLY $3.29 Reg. $4.98



Smooth hardwood dryer with 52 feet of drying capacity. *Limited Quantity!*

SAVE $1.69

TOOL SPECIAL at $3.39

9" SMOOTH PLANE

2" hardened steel cutters - tempered, razor sharp. Compare with $4.98 models!

FOOD CHOPPER

(Made by Universal)

Family size, durable! Has 3 cutters, PLUS combination pulverizer—grinder. Cast iron.

$2.69 Reg. $3.79

SAVE $1.10

7" UTILITY SHEARS

YOUR CHOICE 98¢

Straight or bent pattern . . . nickel finish, tension adjustment.

Reg. $1.69

ELECTRIC HEATER

Regular $11.95

Now only $7.89

Heat where you want it. Brown baked enamel finish. 14 x 10 x 4 in.

Felt-Silicone IRONING BOARD COVER

89¢

Best for steam or dry ironing. Scorch resistant, heat reflecting. Fits standard boards.

Reg. $1.39

STEEL CAULKING GUN

Reg $1.50

Now only $1.19

Easy to use —insert cartridge, work trigger.

Caulk Cartridge Reg. 45¢ 29¢

STORM WINDOW KIT

Reg. 49¢ Only 27¢

Installs easily . . . 36" x 72" plastic sheet, 18" molding strips, nails.

STORM COVER

69¢

Kraft door, transparent window keeps out cold. 36" x 84". Molding and nails. **Reg. 89¢**

SAVE! WEATHER STRIP

98¢ Reg. $1.39

Spring bronze — fits average door without removing. Includes nails.

ALARM CLOCK

NOW ONLY $2.19

Reg. $2.98

Modern design. Ivory, nickel trim. Accurate 40-hour, all metal.

DRAFT CONTROL

Reg $2.25

$1.29

Mounts vertically or horizontally in 6" pipe.

6½" LEVER JAW WRENCH

$1.29

Chrome plated . . . locks tightly for sure grip.

10" Size $1.59

D-Con Rat & Mouse Bait

$1.69 for 1 pound package. Ready mixed, efficient bait.

Mouse Bait 49¢

Eliminates mice quickly.

Economical 4 oz. pkg. 89¢

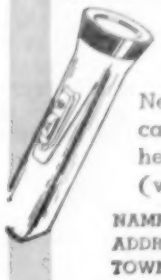
2 for 15¢ FLASHLIGHT BATTERIES

GUARANTEED leak-proof, priced way below other brands.

89¢ FLASHLIGHT

JUST 49¢

With This Coupon



New design square case with red plastic head. Flasher button. (without batteries)

NAME .....
ADDRESS .....
TOWN ..... STATE .....

Offer Limited! Hurry!

SPREADER AND CUTTER BOARD

A $1.18 value for

JUST 69¢

and this coupon

For TV snacks, lunches, 7½" hardwood cutting board, stainless steel spreader.

NAME .....
ADDRESS .....
TOWN ..... STATE .....

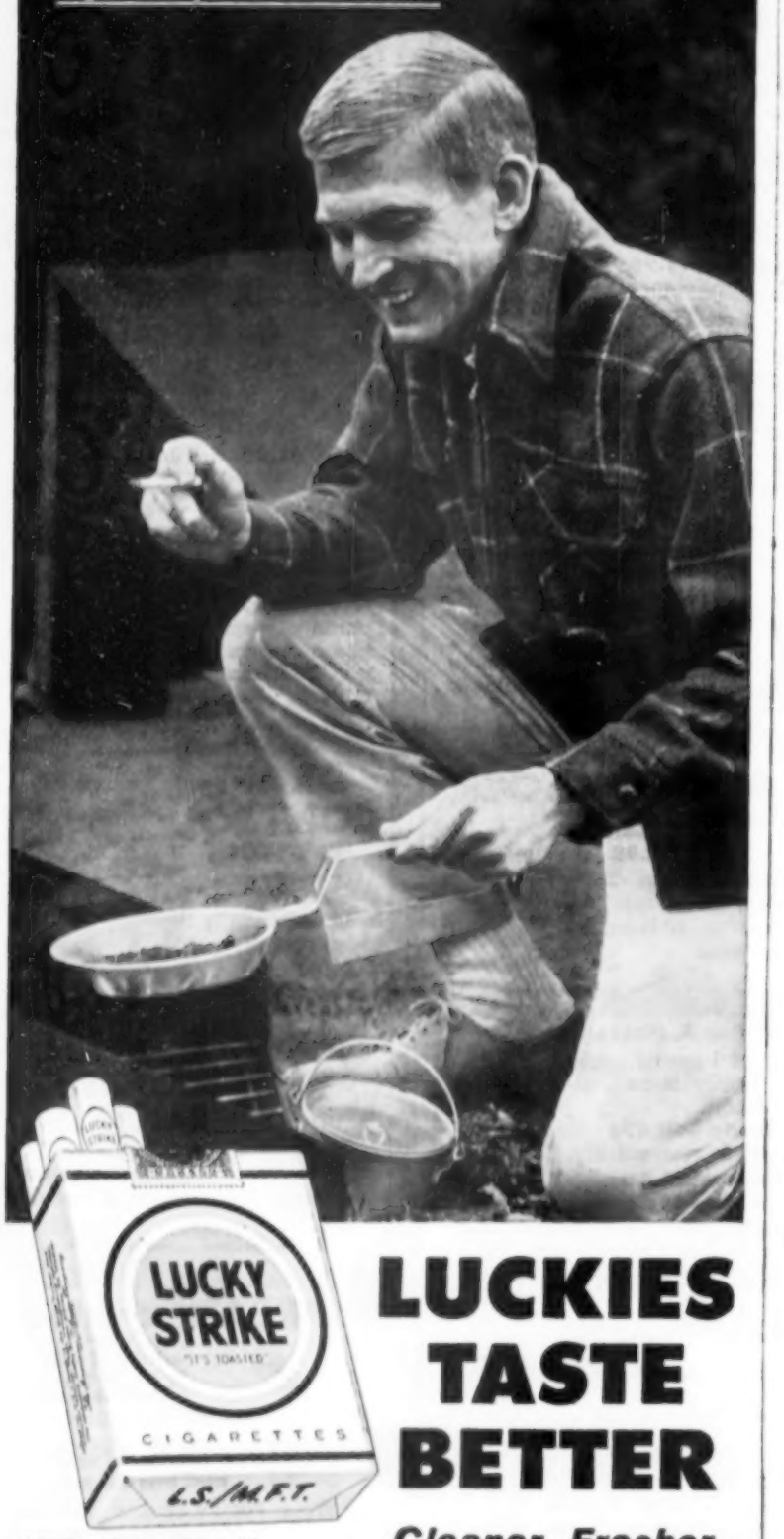
Subject to limited stock

Now you're cookin'! Nothing fancy, maybe—but out here it'll taste like a banquet! Right now, though...

Light up a Lucky

it's light-up time!

You never had it so good! A Lucky's all cigarette—made of mild, good-tasting tobacco that's TOASTED to taste even better. Outdoors or indoors, you'll say it's the best-tasting cigarette you ever smoked!



LUCKIES TASTE BETTER

"IT'S TOASTED" to taste better!

Cleaner, Fresher, Smoother!

© A. T. Co. PRODUCT OF *The American Tobacco Company* AMERICA'S LEADING MANUFACTURER OF CIGARETTES

Fall is a good time for applying fertilizer and lime. Shown above is a bulk-spreader truck on the Hugh Augspurger farm in Davis county, Iowa.

Pays to use fertilizer

Fertilizer pays its way nearly every year. It's often the best investment you can make

DON'T LET dry weather scare you away from fertilizer. It is still one of the best buys a farmer can make.

Usual return from a dollar invested in fertilizer is two to four dollars. That's a lot better than you'd expect to do with hogs or cattle—even in good years.

Both cattle and hogs usually give good returns—far above what your money would bring if you put it into a mortgage or savings account. But way below what you can expect from proper use of fertilizer.

Every time you plant corn, you gamble on getting a crop. Folks in areas where crops failed lost forever the seed, labor and gasoline used.

But that's not so with their fertilizer. Carryover fertility often returns enough to pay for the fertilizer. And many times gives a good profit.

Now forget about carryover for a moment. The odds in favor of fertilizer are still tremendous.

Take starter fertilizer, for example. Applied beside the hill or row for corn, it is almost a sure money maker. You can expect it to pay off at least four years out of five. And the profits from those four years are big enough to leave a substantial average profit for the whole five years.

Average yield increase from starter figures about eight to 10 bushels per acre. So you can't afford to drop starter just because there's one chance in five or 10 that it won't pay off.

Fertilizers for small grains are another sure bet. Small grains grow and mature in the early part of the season when drouth is almost never a problem.

Legume seedings make their start early in the year, too.

If you are going to gamble on getting a crop, it's worth risking a little extra investment in fertilizer.

Now, let's look at fields needing heavy applications to bring up the fertility level. Or to balance the fertility at a higher level.

If you get a good crop year, you hit the jackpot and get extra bushels per acre.

But suppose you get a year so dry there's no fertilizer response. Then, the fertilizer in the ground is like money in the bank. It's waiting for the time when you need it.

Extensive tests have shown that this carryover is a major factor in fertilizer planning. In fact, many experiment stations recommend applying the phosphate and potash needed for an entire rotation in one heavy application.

So even in a dry year, most folks can't cut down on fertilizer without trimming their profits, too.

Of course, fertilizer must be properly used if you expect a full return. A soil test is the best way to find out what your soil needs.

Keep Livestock Off Legume Seedings

Want to keep that legume seeding for next year? Then keep livestock off from now until after a killing frost.

That's the advice of Ralph Krenzin, Iowa State College agronomist.

Legumes need about a month growing period to build up root reserves that help plants live thru the winter, he points out. These same reserves kick plants off to a fast, vigorous start in the spring, too.

You can expect a killing frost about the middle of October in Iowa. So mid-September is the time to take livestock off the legumes you want to leave for another season.

Growth made during this build-up period need not be lost. It can be pastured or cut for hay after the first killing frost. There's no regrowth of plants after that time. So root reserves will not be lowered by removing the growth.

For Poultry Raisers . . . Nutrena Announces

GOOD NEIGHBOR PLAN

"...That means I get $25.00 and you get $25.00, too!"

"And that's only the beginning—we can both get lots more!"

Cash for you...cash for neighbors

or cash for your favorite fund raising project, club or charity

Imagine getting paid cash for feeding one of the famous Nutrena Egg Feeds! We'll pay you—pay your neighbors, too—or your favorite club or charity. We'll pay cash amounts of $5.00, $25.00 or even $500.00 and more—no limit—because we want you to discover for yourself why so many thousands of successful flock owners depend on Nutrena egg feeds for high, efficient egg production. Yes, we'd like to have *your* business, too, so—

Here's what we'll do

It's as simple as this: If you haven't fed a Nutrena poultry feed in 1956, we'll pay you to try one of the fine Nutrena egg feeds. You get $5.00 cash for every 100 layers switched to Nutrena for at least 4 months. And that's not all—

If a present Nutrena feeder recommends Nutrena to you, he *also* gets $5.00 cash for every 100 birds in your flock that are switched to Nutrena egg feed. Actually, a double pay-off!

Frankly, we couldn't afford to make this offer if we weren't confident that just a 4-month trial of a Nutrena egg feed will convince you that quality pays and will make you a Nutrena feeder for a long, long time.

Check the payment schedule at the right. Notice the cash Nutrena will pay you, your neighbors or your clubs, charities, etc. Then—

Think of the possibilities!

If you switch your flock to Nutrena and then three or four neighbors also switch on your recommendation, you could get really big money! Or—if you're already feeding Nutrena, you can get cash for yourself *and* your neighbors if they switch to Nutrena on your recommendation.

Or—how about that fund-raising project for your club or some other worthy cause? Team up with enough friends or fellow club members and go after the money you need. Nutrena's "Good Neighbor" Plan could pay your treasury as much as $1,000.00 or more! Lots of ways to get cash, so—

Nutrena Good Neighbor Cash Payment Schedule

FLOCK SIZE	FOR YOU	FOR YOUR NEIGHBOR	TOTAL
100 birds	$ 5.00	$ 5.00	$ 10.00
200 birds	10.00	10.00	20.00
300 birds	15.00	15.00	30.00
400 birds	20.00	20.00	40.00
500 birds	25.00	25.00	50.00
600 birds	30.00	30.00	60.00
700 birds	35.00	35.00	70.00
800 birds	40.00	40.00	80.00
900 birds	45.00	45.00	90.00
1,000 birds	50.00	50.00	100.00
10,000 birds	500.00	500.00	1,000.00
etc.			

(250 BIRDS WOULD EARN YOU $12.50 EACH—625 BIRDS EARN $31.25 EACH, ETC.—BASED ON $5.00 FOR EVERY 100 BIRDS CHANGED TO NUTRENA EGG FEEDS)

Don't wait—see your Nutrena Dealer!

He's ready to pay cash for getting new flocks on one of the fine Nutrena Egg Feed Programs. He has the "Good Neighbor" certificates that can help you collect even more money! See him today for complete details. Offer expires Dec. 15, 1956.

For name of nearest dealer write to: Nutrena Mills, Inc. 200 Grain Exchange Minneapolis 15, Minn.

Go after profitable egg production with the Nutrena Feed best suited to your flock:

Nutrena Fifty Grand. High-energy, high-protein, high-nutrition feed specially developed for high-efficiency production. Now—new and improved! Recent 52-week tests at Nutrena Research Center showed high-energy test rations produced an average of 61 more eggs per 100 lbs. of total ration than low-energy test rations.*

**High-energy rations averaged 1404 calories per pound of metabolizable energy; low-energy rations averaged 1113 calories per pound.*

Nutrena Crumblized. Stepped-up with Livium for layers. New, improved formulas for laying flocks, breeder flocks, cage flocks. Famous Nutrena Crumblized Egg Feeds are now better than ever—with higher fat and lower fiber—and hens love the easy-to-eat, waste-preventing *crumblized* form—hardly any dust. Have your Nutrena Dealer advise the right Nutrena egg feed for your flock, your management system and your grain supply.

Get an Extra Harvest in 1957

CROW'S
PREMIUM HYBRIDS
plus
CROW'S SEED CORN SERVICE
Boosts Corn Yields per Acre

Crow's Premium Hybrids yield 10 to 15% more corn per acre than the best regular hybrids growing on the same soil. Crow's Seed Corn Service can help you raise the fertility of your soil. Here's the combination that can add extra wagon loads of corn to your next harvest.

If you have good corn land, plant Crow's PREMIUM — the extra yield corn. If your soil needs additional plant foods, let CROW's Seed Corn Service show you how much fertilizer you should have to grow 100 bushel corn. This service is YOURS without extra cost when you plant Crow's Hybrids.

"You can't beat Crow's Premium Hybrids for top yields per acre" say thousands of farmers. Vigorous growth —disease resistance—strong standability—easy harvesting — high feed quality — you'll have all the features desired in hybrid corn when you plant CROW's Premium. See Crow's dealer — place your 1957 seed corn order NOW.

All Crow's Hybrids are Film-Coated for dependable seed protection in poor growing weather.

Send for FREE bulletin —

"HOW TO AVERAGE 100 BUSHEL CORN YIELDS" and catalog "CROW'S HYBRIDS"

CROW'S HYBRID CORN COMPANY
MILFORD, ILLINOIS AND NEVADA, IOWA
World's largest producers of single cross seed corn

MAIL COUPON OR CARD FOR CROW'S FREE CATALOG

CROW'S HYBRID CORN COMPANY
Dept. W, Milford, Illinois
Send FREE Bulletin "HOW TO AVERAGE 100 BUSHEL CORN YIELDS" and Catalog "CROW'S HYBRIDS"
Name _____
Address _____
☐ Check here if you want to sell Crow's Hybrids

He'd like to see welfare agencies combine for one campaign of solicitation. Leslie Hickenbottom, Jefferson county, Iowa.

"Won't you contribute?"

Two-thirds of farmers say they are tapped four times a year or more for contributions

FARM people like to give to worthy causes. But some are getting tired of going out on campaigns, and others are tired of being called on too often by neighbors who are soliciting contributions.

To find out what farm people are up against in campaigns for giving, the Wallace Homestead Poll asked:

"How many times in the last 12 months have you been asked by someone to contribute to welfare funds such as Red Cross, Polio, TB, Heart, etc?"

Farm people answered like this:

1. None	1%
2. Once	8
3. Twice	9
4. Three times	16
5. Four times or more	67

We found also that half of the people interviewed had served at one time on a local committee to raise funds. So they knew the problem from both ends.

Then the Poll asked: "Has your township or county experimented with a plan whereby some of these agencies go together and make only one call per year?"

Only 12 percent lived in neighborhoods where this has been tried. Of this group, two-thirds thought the one-call plan had worked fairly well.

A woman in Poweshiek county objected: "I wouldn't like it. I want to give more to some agencies than to others, and I want to decide how much each gets."

The Poll asked other farm people, those without experience in one-call neighborhoods, this question:

"Would you like to see your township or county try such a combined plan, where all the agencies could be brought closer together and only one solicitation would be made per year?"

Farm people replied:

1. Yes	55%
2. No	29%
3. Undecided	16%

Women and men voted about the same way on all of these questions.

One strong objection to the plan was raised by folks interested in a new field of welfare work. They said that when funds were pooled, they would get only their present share of collections. They claim their work is growing while some of the older groups need less and less money.

A woman in Lucas county had doubts on different grounds: "It would save a lot of work, but nobody would get as much money."

A young farm woman in Washington county made the same point: "I think it might be easier for me to dig up two or three dollars at a time than to give a lot at once."

A farmer in Kossuth county commented: "Our neighbor lady just made two solicitations at one time. I'm afraid they wouldn't get as much money if they went once for everything."

Invisible Diseases

(called "sub-clinical" diseases)

slowing down your pigs?

Help prevent them with the right amount of the right antibiotic in good feeds every day

...the world's greatest disease-fighter:

AUREOMYCIN®

CHLORTETRACYCLINE

The right amount each day, helps keep disease away!

Diseases you *can't even see* may be cutting into the dollar returns from *your* pigs.

These are called "sub-clinical" diseases. Even though pigs show no sign of illness and look "normal", sub-clinical diseases can be present. When they *are*, your pigs can't do as well as they should. Their vigor is sapped. They use up too much feed fighting these *invisible* diseases. Gains are not up to par.

Today, there is a way you can sharply reduce these losses. Give your pigs BETTER HEALTH all the way through by preventing sub-clinical diseases. Give them good rations containing the right amount of the world's greatest disease-fighter: AUREOMYCIN Chlortetracycline.

AUREOMYCIN, fed continuously at the recommended level, does *more* than help prevent sub-clinical diseases: It also prevents losses from visible clinical diseases such as enteritis and atrophic rhinitis. You raise HEALTHY pigs that make good use of their feed. *Your cost is less per pound of gain.*

The table below tells you the *right* amount of AUREOMYCIN your pigs *should receive each day* throughout their lives:

Weight of Pig	AUREOMYCIN Chlortetracycline your pigs should receive	AUREOMYCIN Chlortetracycline per ton of Complete Feed
Up to 35 lbs.	1.5 milligrams *daily* per pound of body weight	100 grams
35 lbs. to 75 lbs.	1.5 milligrams *daily* per pound of body weight (*Continue this level to market, if disease is observed in herd)	50 grams*
75 lbs. to market	0.5 milligram *daily* per pound of body weight	20 grams

Your feed manufacturer or feed mixer can supply you with complete feeds or supplements that meet these requirements. Talk to him.

"Look for me! When I'm on a tag, you know it's in the bag— ***AUREOMYCIN"***

CYANAMID — AMERICAN CYANAMID COMPANY | ANIMAL FEED DEPARTMENT | 30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

Urea nitrogen broadcast right on the crop residue — then plowed or disc in — gives close contact between the fertilizer and residue. This does the best job of complete rotting and making nitrogen available for next year's crops.

Leach resistant urea nitrogen . . . ideal for fall plow down

DURING the past two or three years the use of urea nitrogen has become one of the major nitrogen fertilizers in this country. A leading factor in this tremendous growth has been its universal superiority as an all-purpose nitrogen . . . ideal for fall as well as spring application.

For fall plow-down urea nitrogen is unexcelled. It is an organic nitrogen that is preferred by soil bacteria for completely decomposing cornstalks, stubbles and sods. When dissolved in the soil moisture the urea converts to a leach resistant form of nitrogen.

Since urea is a solid containing 45% nitrogen, it can be easily and quickly applied ahead of plowing and with least danger of nitrogen loss.

Experts agree that fall plow-down of urea is a sound practice for several important reasons.

1. Speeds up decay of crop residues.
2. Eases the spring work load.
3. Gets the job done on firm footing for tractor and spreader.
4. Maintains active humus in the soil.

Your best source of urea nitrogen is free flowing prilled JOHN DEERE VITREA . . . a premium nitrogen now available at competitive nitrogen prices.

Use this table to figure the pounds of Vitrea you'll need to apply this fall with different kinds of crop residues.*

Residues where yield was	Nitrogen lbs. per acre	VITREA lbs. per acre
50 Bu. Corn	45	100
75 Bu. Corn	60	150
100 Bu. Corn	90	200
20 Bu. Wheat	30	65
40 Bu. Wheat	60	130
60 Bu. Oats or other small grain	45	100
1 to 2 tons Grass hay	45	100

**Have your soil tested and follow your Agricultural College recommendations for complete fertilizers including phosphate and potash*

Make arrangements through your regular fertilizer dealer to get JOHN DEERE VITREA . . . highest quality urea nitrogen. For free nitrogen calculator and fall plow down folder write: Grand River Chemical Division of Deere & Company, Pryor, Oklahoma.

(Advertisement)

Emergency money for farmers

Amendments permit FHA to refinance farm mortgages, cover supply needs

FARMERS hard hit by hail in August failed to persuade Secretary Benson to re-open the soil bank. But they were promised special attention under the newly enlarged authority and increased funds of the Farmers Home Administration (FHA).

In Iowa, eight counties in particular have been designated by Benson for such attention. They are Carroll, Crawford, Audubon, Guthrie, Adair, Madison, Union and Clarke.

What, specifically, can FHA now do for farmers as a result of the recent congressional amendments?

For one thing, it can now refinance an existing farm mortgage as it stands. Previously, the refinancing privilege could be exercised only if the borrower was enlarging or otherwise developing his real estate holdings.

Under another important revision, the principal sum in such refinancing does not have to be held to the county average on land values, providing a family-type farm is involved.

In the writing of new land mortgages or in the enlargement of existing ones, however, the FHA must still go no higher than the county's average valuation.

Is there a top limit on the total amount of mortgage money per borrower? Yes. The maximum amount is $40,000 where FHA is able to obtain the funds from the private money market. Where this is not possible and the money must be drawn directly from the congressional appropriation to FHA, the top limit is $25,000 per borrower.

The loan period will be determined in accordance with the borrower's capacity to repay, but could be as long as 40 years.

The interest on these farm ownership loans, whether new or refinanced, is four and one-half percent interest. Because this rate is lower than that obtained by other lenders, it is feared that FHA at times might have trouble getting sufficient funds from private sources.

It is known in Iowa, for example, that some of the insurance companies have recently been cutting down on the proportion of their loanable funds offered thru agricultural loan outlets. They give the reason that higher interest can be obtained from city housing mortgages.

Money from the congressional appropriations to FHA must be reserved during the first nine months of the fiscal year for war veteran borrowers.

Farmers in drouth and hail-damaged areas probably will be most interested in the emergency loan feature. These loans draw three percent interest and will run in most cases about 12 months. They will provide money for such necessities as feed, seed, fertilizer and tractor fuel. The borrower pledges his share of the crop or the required number of livestock as collateral. Any other creditors interested in the same collateral must subordinate their claims to the FHA.

The emergency loan, incidentally, cannot be used to refinance any existing indebtedness.

The regular operating loan will continue to be offered, and the terms have been expanded.

The FHA can now originate or renew such loans for a period up to 10 years. The previous time limit was seven years.

However, only those borrowers who actually are at the expiration of their existing agreements can be considered for the longer term renewal. At the same time, borrowers who are not yet at the end of their loan term, but who are delinquent for acceptable reasons, may obtain additional funds under what is called a "subsequent loan."

The top limit on operating loans formerly was $10,000 per borrower. It has now been raised by law to $20,000. The interest rate remains at five percent.

FHA land ownership borrowers may, under justifiable circumstances, obtain supplemental money to put up farm buildings, including a farmhouse. Such a supplemental loan becomes a second mortgage on the farm.

Right after the amendments were passed in Congress, word got around that city people could go out on an acreage and qualify for FHA loans, too. This is not the case.

The new provisions do authorize loans to people on less than family-type farms who do some work in town. But they must be primarily engaged in farming; that is, they cannot be depending principally on a town job for a livelihood under, say, a 40-hour week schedule. Also they must already be part-time farmers to be considered bona fide applicants.

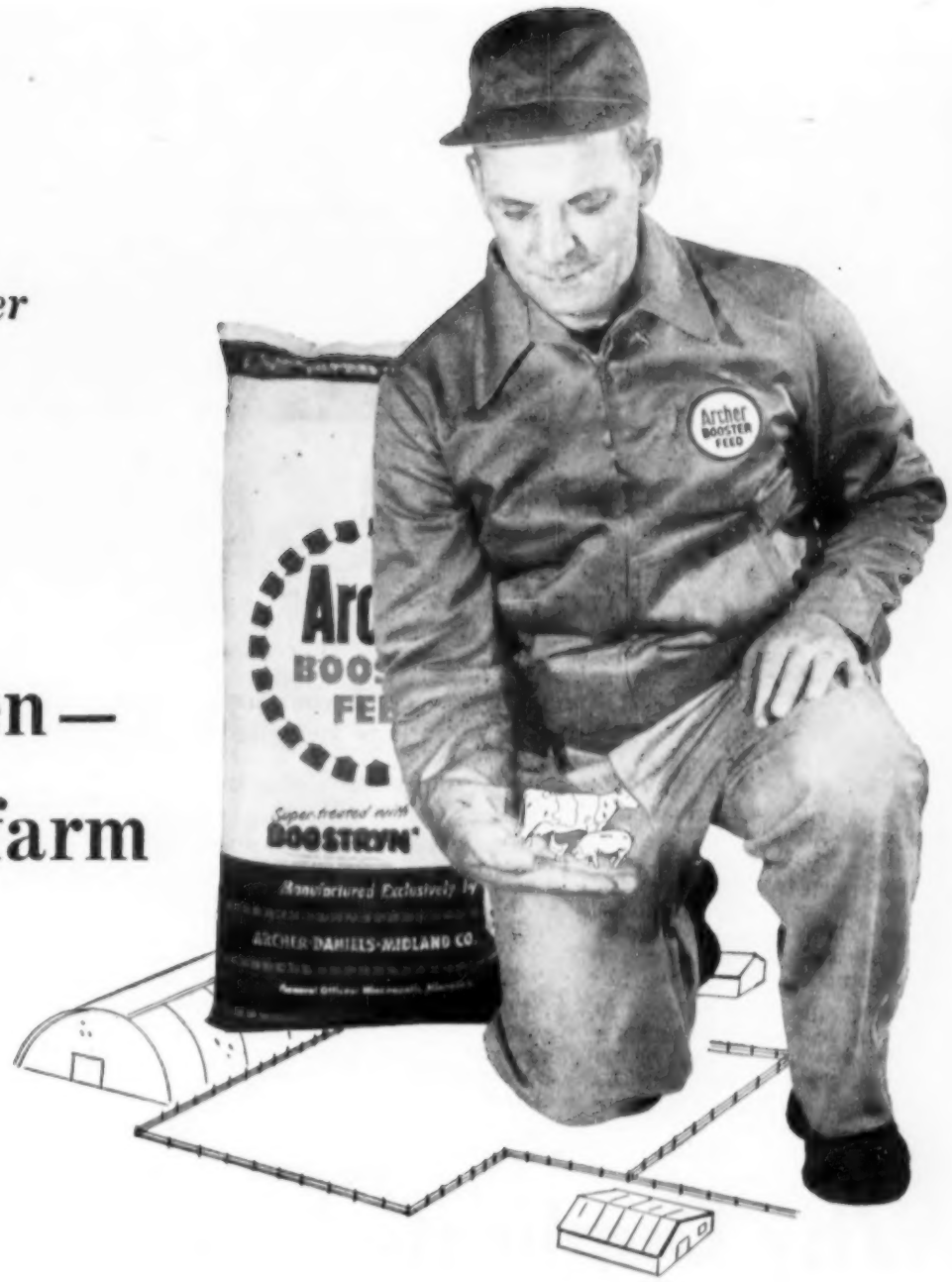
The main emphasis, tho, remains on help for the family-type farms, says Fred W. Morgan, acting Iowa FHA director, Des Moines.

How is that defined? According to the FHA, it is one where required labor is furnished primarily by the family, but it may include one hired hand. It is considered that it should be large enough to provide a reasonably full-time job for the operator, and sufficient income for the family.

Farmers interested in the foregoing loan facilities should get in touch with their local Farmers' Home Administration office.

Your Archer Booster Dealer is a "feed engineer"...

He can make miracles happen— right on your farm



He does it by helping you with feeding strategy, the scientific plan that makes feeding pay big dividends.

Miracles in the feed lot—they happen every day . . . and your Archer Booster Feed Dealer is the man who *helps* make them happen. Hens laying at 80% of capacity with Archer High-Energy laying mashes—dairy cattle producing 15,000 lbs. of milk a year with Archer's high production Dairy Feeds—producing a pound of beef on six pounds of feed with Archer's Two-Phase Cattle Feeding Program—hogs from farrowing to market in less than five months with the aid of Archer Pig Super-Start. These all sounded like miracles a few years ago, but today Archer Dealers have brought these miracles and many more to thousands of Midwest feeders.

There is no magic . . . no mystery . . . behind the modern accomplishments of your Archer Booster Feed Dealer. His *miracles* are based on these three basic principles.

1. **Thorough knowledge of livestock and feeding,** along with the interest in your operation to help you with any problem.
2. **A superior, high quality feed for livestock and poultry** . . . kept up-to-the-minute by continuing research and testing. A complete line for all animals.
3. **The *proven* strategy for using this feed** . . . a sound program laid out step-by-step, by the very scientists who developed and tested the feed.

That last point is important! Any good feed can put pork on hogs . . . help hens lay, or balance silage for dairy cows. But when you feed hit-or-miss, without a sound program, you lose out on the extra *profit-power* science has built into feeds.

Now, at the beginning of the fall season—with cows freshening, hens in the laying house, and with your fall pigs being farrowed—is the *right* time to start on an Archer Booster Feeding program.

So remember . . . there's a man, not far from you, who makes miracles happen every day on your neighbors' farms. He's your friendly Archer Booster Feed Dealer. Get to know him . . . find out about his services. If it's weighing your pigs . . . helping you set up accurate records . . . prescribing for the needs of an ailing flock or planning a complete start-to-market feeding program, he'll be glad to help. And remember, he offers you the finest livestock and poultry feeds sold today . . . and backs them up with a tested program, developed by the scientists who *built* the feeds. See him today for famous Archer Booster Feeds—and the right Archer Booster Feed program for your operation.

Archer BOOSTER FEED

Super-treated with **BOOSTRYN**

ARCHER-DANIELS-MIDLAND CO.

Feed Sales Offices: Minneapolis, Minn. Springfield, Illinois, Kansas City, Mo.

More Feed Help Every Month...

FROM DAN ARCHER, FEED HUSBANDRYMAN

Next month . . . and every month in this publication, you'll find interesting, informative, helpful columns by Dan Archer, feed husbandryman. Dan searches for important developments in feeding . . . answers questions . . . gets right to the point in discussing the latest feeds and feeding practices. You'll like Dan Archer, and you'll enjoy his common-sense approach to feeding. Read his first column in the next issue of this publication—it will be well worth your while.

Save the cobs. They can help stretch your hay supply. Photo was made on the Ed Breckenfelder farm in Buena Vista county, Iowa.

Corncobs for beef cows?

It's one way to stretch your hay supply. Five rations suggested

SHORT on hay for those beef cows? Maybe corncobs can help you take the herd thru the winter in good shape.

That suggestion comes from cattle feeding specialists at Iowa State College. And they suggest five different corncob rations for beef cows.

These rations are designed to meet the daily requirements of a beef cow weighing 1,000 to 1,200 pounds. They should keep the cow in good condition and enable her to produce a vigorous calf in the spring.

1. High quality legume hay and corncobs:

Alfalfa hay	10 lbs.
Ground cobs	10
Total	20 lbs.

Limit hay to eight or 10 pounds per day. And full feed corncobs. Self feed minerals and salt. Feed corn only if cows are thin or fail to maintain weight.

2. Mixed hay and corncobs:

Mixed hay	9 lbs.
Ground cobs	9
Ground ear corn	1
Soybean meal or equivalent	1
Total	20 lbs.

If your mixed hay is not green or does not contain at least 50 percent legumes, substitute one pound of dehydrated alfalfa meal or pellets for one pound of hay. Or replace soybean meal with a high protein supplement fortified with 30,000 units or more of vitamin A per pound.

3. Very limited hay with corn cobs:

Hay (50% legume)	5.0 lbs.
Ground cobs	11.5
Ground ear corn	2.0
30% protein supp. (20,000 units vitamin A per lb.)	1.5
Total	20.0 lbs.

Limit hay and concentrate. Self feed cobs, minerals and salt.

4. No hay—corncobs supplemented properly:

Ground cobs	15 lbs.
Dehydrated alfalfa	1
32% protein suppl.	2
Ground ear corn	2
Total	20 lbs.

The protein supplement may be any complete supplement containing 30 percent or more of protein and necessary trace minerals and vitamin A.

Limit concentrates and self feed corncobs, minerals and salt.

5. No hay—complete corncob feed mixture.

Ground cobs	700 lbs.
Dehydrated alfalfa	100
Liquid molasses	100
Soybean or other oil meal	85
Steamed bone meal	10
Trace mineral salt	5
Total	1,000 lbs.

Self feed the mixture, minerals and salt. Add five percent corn if cows are thin.

The college workers suggest the following mineral mixture to be used with the above rations: 200 pounds of steamed bone meal and 100 pounds of trace mineral salt.

Corncobs should be ground in a hammer mill using a half-inch or seven-sixteenths inch screen. The larger cob particles should be no bigger than a kernel of corn. If cobs are high in moisture, figure on grinding every five to 10 days.

IN TIMES LIKE THESE . . .

Why Duplicate Your Farm Equipment?

One, Low Price MIDWEST BOLSTER HOIST

installed on your present wagon does ALL your farm dumping jobs!

You have to cut operating costs to the bone to make money today! There's no need to duplicate your equipment by buying "specialized" hauling and dumping implements.

The Midwest Bolster Hoist is an all 'round hoist that you install on your present wagons. And it costs only one-sixth the price of other specialized equipment.

Here's why only Midwest Bolster Hoist has the versatility, power and efficiency to handle silage, small grains, dirt, gravel, cobs — and **every** farm unloading job—

- **Fits all standard wagon — barge boxes and flare boxes**
- **5½ and 6½ Ton Capacities**
- **Models to Suit Your Particular Need**

Patented GODBERSEN POWR-LINK gives Tremendous Lifting Power Efficiency and Steep Dump Angle—never before possible. Godbersen Powr-Link is a flexible linkage that adjusts during raising and lowering of the wagon box to keep the pressure and power requirements constant—giving EASIEST, HIGHEST, SMOOTHEST LIFTING and at LOWER HYDRAULIC PRESSURE.

WRITE TODAY for complete information about a Midwest Bolster Hoist for your farm — or SEE YOUR NEAREST MIDWEST DEALER.

Midwest INDUSTRIES, INC. Dept. 30, Ida Grove, Iowa

These yellow and black arrows point to Cargill fields in your area. Each sign marks one more farmer who's Planting and Comparing Cargill alongside other hybrids right on his own acreage.

Next Cargill sign you see, Stop! See how the Cargill field compares with the fields around it. You'll want to Plant and Compare Cargill on your own farm.

Why did so many Iowa farmers switch hybrids?

There's quite a story behind the company that dared ask people to "Plant and Compare" its "Corn Starter" treated hybrids

EVERY time you drive by one of those bright yellow and black arrows, you see another field that's been switched to "Corn Starter" treated Cargill Hybrids.

Why did these friends and neighbors of yours switch? Well, for one reason you'll probably find they switched because they wanted to try Cargill Hybrid's new "Corn Starter" treated seed. If you talk to one of those Cargill growers now, though, you might find him saying something like this:

"Sure, I tried Cargill because of 'Corn Starter.' And I got high germination last spring. But most important is the top performance of Cargill hybrid itself. By that I mean, the seed inside the treatment is the kind of hybrid I want for my land."

That's the kind of comment Cargill representatives are getting this year. Such comments are the result of years of Cargill corn research and development, and "Corn Starter" is just the most recent example.

"Corn Starter" got its start when Cargill scientists saw how much damage insects and soil diseases could do to inadequately treated seed.

When it was finally developed, tests showed "Corn Starter" treated Cargill seed averaged 14% higher 'field' germination compared with Cargill's best previous-treated seed. These results came from 2,347 tests under cold, wet spring conditions.

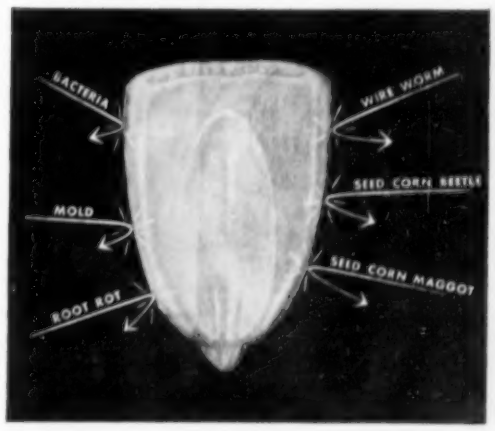
You can see how important high field germination is when you consider that many farmers plant four kernels to end up with perhaps three live plants (75% germination). Every extra kernel you can save above present field germination can mean an extra ear-producing stalk.

But "Corn Starter" is only a small part of the story. The Cargill Hybrids themselves are even more important.

Over the years Cargill's research and breeding department has released many new field-tested hybrid varieties. This year Cargill has brought out 8 new varieties. That means that in most areas there are a number of new Cargill Hybrid varieties for your own special growing conditions.

Troubles at pollination time? Cargill now has four new "Pollen-Insured" corns. They extend the pollination period—even in very hot, dry weather. And they give top performance over a wider range of soil and weather conditions than regular hybrids.

With so many new developments, is it any wonder farmers are today calling Cargill America's growing leader in hybrid corn development? And is it any wonder so many farmers are switching to Cargill Hybrids for their big acreages?



This Cargill Kernel's New Coat of "Corn Starter" treatment kills seed-eating insects—helps fight off soil-borne, seed-rotting diseases and seedling blights. Report at left tells what happens to field germination when your seed is "Corn Starter" protected.

Why don't you join the big switch? Try the Cargill varieties best suited to your soil and weather conditions. Plant and Compare Cargill Hybrids on your own big acreage. Act now. See your neighborly Cargill Hybrid representative right away. Let him help you select the right Cargill varieties designed for your special growing conditions. Cargill Hybrid Headquarters, 200 Grain Exchange, Minneapolis 15, Minnesota (Advertisement)

NOW WEAN BABY PIGS AT TWO WEEKS

Swift's new BABY PIG PRIMER

With the New Enzyme — PEPSIN!

Now, at two weeks, your pigs can have the same ability to digest lower-cost feeds that you've always expected at five to six weeks. This is the magic of the enzyme pepsin, proved by extensive feeding trials at Iowa State College. You can have it now in Swift's New Baby Pig Primer . . . plus the generous nutrition of the PICK OF THE PROTEINS and CALOGEN, Swift's famous energy ingredient.

You'll save up to 25 percent on the production cost of pigs to eight weeks old. Baby pigs can now digest lower-cost oil meals — higher-cost, milk-based pre-starters are not needed. And you'll save 30 to 40 pounds of sow weight by weaning early. Also, when pigs are eight weeks old, you'll see them 10 pounds heavier than usual . . . up to 40 or 50 pounds.

Swift's NEW BABY PIG PRIMER with pepsin puts your hog program in motion fast during those critical first weeks — the period that can make or break your profit. See your Swift's feed dealer now.

here is a program to produce lower-cost hogs:

- **1-14 Days — pigs on sow**
- **8-14 Days — start Swift's New BABY PIG PRIMER, self-fed in the creep**
- **15th Day — wean pigs to Swift's BABY PIG PRIMER alone. Each pig should eat about 5 lbs. of PRIMER.**
- **Then — start Swift's SWEET PIG MORSELS, self-fed. Also contains new enzyme, pepsin. Feed about 20 lbs. per pig. Follow with Swift's PIG POWER self-fed to 8 weeks of age.**
- **9th week — start Swift's PIG CONCENTRATE with grain.**
- **After pigs reach 100-120 lbs., switch to Swift's SWINE CONCENTRATE with grain.**

Swift — 01 81 YEAR — FEED DEPARTMENT • CHICAGO 9, ILLINOIS — *To Serve Your Farm and Family Better*

Grand champion barrow at the Iowa State Fair was this 213-pound Berkshire, shown by Milo Wolrab of Mount Vernon, Iowa.

Berkshire tops barrow show

Duroc and Spotted Poland shows were biggest at the 1956 Iowa State Fair

A 213-pound Berkshire got the nod for grand champion honors in the Iowa State Fair barrow show. He was owned and exhibited by Milo Wolrab, veteran breeder and showman from Mount Vernon, Iowa.

Reserve honors went to a lightweight Duroc barrow shown by youthful Robert Ekstrom of Eagle Grove, Iowa. Ekstrom's barrow had previously been named grand champion of the FFA market pig show.

Reserve champion in the FFA market pig show was a Hampshire shown by Gerald Kennedy of Humboldt.

In the 4-H market pig show, Eddie Adamson of Cedar Falls had the grand champion, a Yorkshire. And the reserve champion was a Poland China shown by David Huinker of Decorah.

Other open class breed champions were shown by the following barrow exhibitors:

Poland China—a heavyweight shown by Dale Krieger of Minburn, Iowa.

Chester White—a lightweight shown by R. E. Williams & Sons, Iowa City, Iowa.

Hampshire—a lightweight shown by Emery Riemenschneider of Pierson, Iowa.

Spotted Poland—a heavyweight shown by A. J. Anderson & Sons of Kellogg, Iowa.

Yorkshire—a heavyweight shown by Mike Henderson of Coin, Iowa.

Tamworth—a lightweight shown by Joe Henderson of Coin, Iowa.

The State Fair open class swine show this year drew 1,948 entries shown by 280 exhibitors. A breakdown of the various breed shows as to size looks like this:

Duroc—310 entries by 50 exhibitors. Spotted Poland—308 entries shown by 33 exhibitors. Hampshire—275 entries by 50 exhibitors.

Poland China—264 entries by 37 exhibitors. Chester White—248 entries by 31 exhibitors. Yorkshire—221 entries by 39 exhibitors.

Berkshire—188 entries by 23 exhibitors. Tamworth—134 entries by 17 exhibitors.

Winners in the various classes are listed in the livestock section at the back of this issue.

Winter Rations For Feeders?

How hard should you push those feeder cattle this winter? Results of recent Iowa State College tests may help you answer that question.

For two seasons, now college workers have compared cattle wintered at a daily gain of one-half pound with similar cattle wintered at a daily gain of one and one-half pounds.

The light-fed cattle gained faster during the summer finishing period. But for the total feeding period, they showed a higher cost of gain than the heavier-fed cattle.

Heavier-fed cattle also showed more total gain during the full feeding period than the light-fed cattle.

YOUR FARM ELECTRIC system may be either 60 or 100 amperes. And here's what various appliances use according to Iowa State College engineers: five horse-power motor, 27 amperes; electric range, 27 amperes; clothes dryer, 20 amperes; 12 heat lamps, 14 amperes; water pump, seven amperes; small water heater, seven amperes. It's important that appliances turned on at one time do not exceed your electrical system's capacity.

DARK COLORED yolk in eggs occurs when hens get lots of green feed. Such eggs are very nutritious, says T. E. Hartung, Colorado poultry specialist. But consumers may not like them, and markets may grade them down. Commercial egg producers can keep hens off green pastures if this occurs.

Will steel wage settlement trigger new cost spiral?

ECONOMISTS SEE GENERAL RISE IN MATERIALS AND LABOR COSTS TO FOLLOW PATTERN SET BY STEEL INDUSTRY

"As Steel goes, so goes the economy," expresses a belief held by many economists. Recent history proves them right: higher wages for steel workers usually means higher prices for steel users, followed sooner or later by wage-price boosts throughout industry.

To the American Farmer, in fact to any consumer or businessman, this means higher prices for almost everything he has to buy. The rise may not be immediate; it may not affect all commodities equally; it may be gradual, but it will surely come.

The only one way you can beat this new cost spiral is to do your buying *now*.

MINNEAPOLIS-MOLINE MODERN MACHINERY

machines are selling now at pre-steel-settlement prices!

NOW IS THE TIME TO BUY MM MACHINES AND GET NEXT YEAR'S ADVANCED DESIGNS AT PRICES YOU MAY NEVER SEE AGAIN!

The tractors and machines your Minneapolis-Moline Dealer is selling right now, were built and priced *before* the steel settlement. The Minneapolis-Moline Company promises to *keep* these machines at present price levels for as long as costs allow, and to do all in its power to hold machinery in current production at the lowest possible price while maintaining quality and performance.

This means you can provide for many of your future machinery needs right now, at money-saving prices that can cut hundreds of dollars off your machinery investment. You can buy years-ahead tractors like the MM POWERlined 445; outstanding harvest machines like the MM Uni-Huskor, winner of four straight corn husking championships; advanced equipment like the Uni-Farmor family of self-propelled harvest machines; MM plows, tillage tools, grain drills, and planters rated second to none —all at prices that may never again be possible.

Your MM Dealer is the man to see. The time to see him is *right now!*

MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA

Tomorrow's machines at today's prices!

"We produce more pork at less cost with Mintrate"

"It's not what feed costs you a ton that counts, it's the amount of pork it produces", says Bill Evans, Manager, Rosemoor Farms Nos. 2 & 3, Greene County, Ohio. "We're on a full MoorMan Mintrate program because we proved that a dollar's worth of Mintrate, combined with our home-grown corn, gets us more pork faster and at less cost than anything else we've tried.

"Our last bunch of 117 shoats averaged 193.67 pounds when marketed at 5 months, 10 days. Because they were meat-type hogs they brought 50c over the market. Our total feed cost a hundred came to $8.69. Of this only $1.91 was out-of-pocket —the cost of Mintrate. The balance of cost was our own corn.

"After seeing how they combine the minerals, proteins and vitamins to make Mintrates at the Moorman factory—and how Mintrates are tested at the Moorman Research Farm—I *know* why Mintrates help reduce feeding costs."

Thousands of Mintrate feeders* have found out, like Bill Evans, that MoorMan's Mintrates help them reduce feeding costs. These highly concentrated blends of minerals, vitamins and proteins, fortified with antibiotics, are combined in such a way that they literally help hogs "wring" more nutritive value from home-grown feeds—help produce rapid, low-cost gains.

Your MoorMan Man can show you many customer records similar to those of Mr. Evans—and give you an accurate estimate of your total feed costs with a Mintrate ration. If he doesn't call soon just drop a line to Moorman Mfg. Co., Dept. S69, Quincy, Ill., for details.

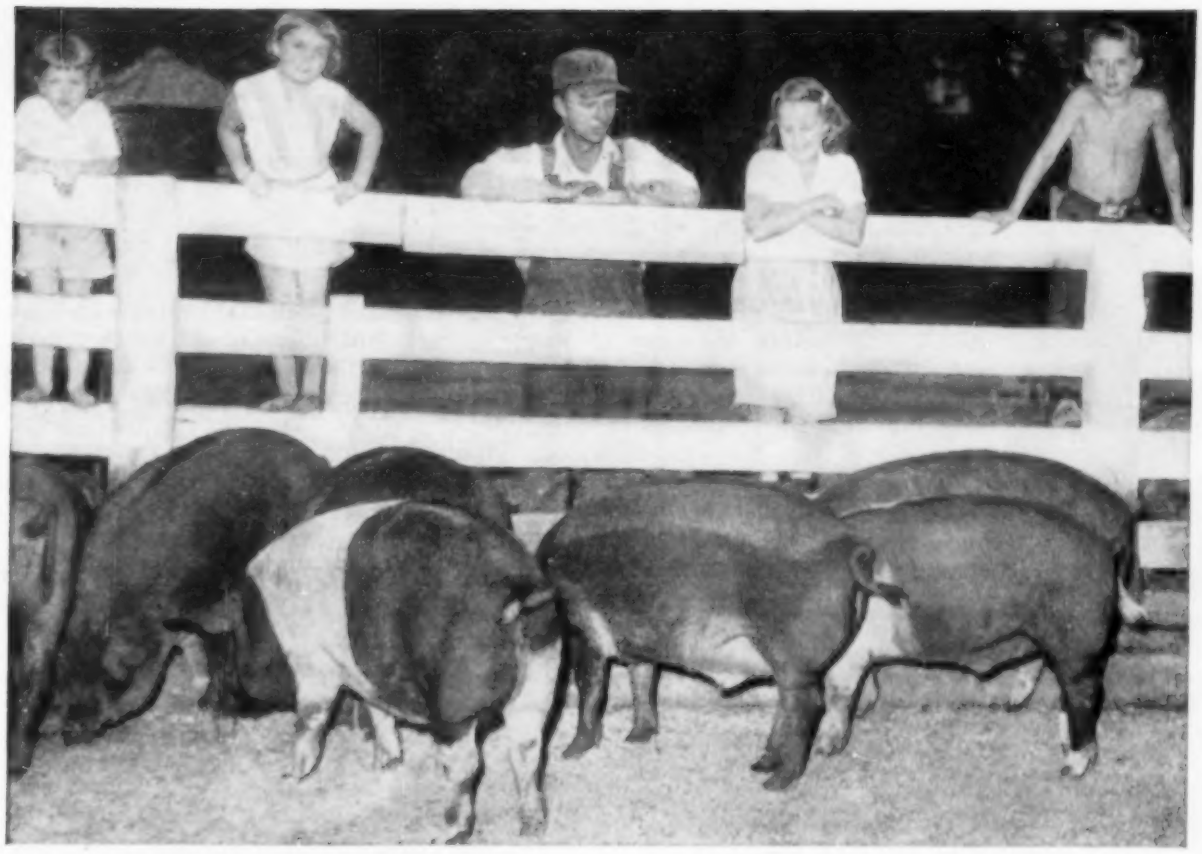
MoorMan's*

Since 1885—71 years of Friendly Service

Mintrate for Hogs

—one of 12 mineralized protein and vitamin concentrates that help livestock and poultry make better use of home-grown feeds.

*Trademark Reg. U.S. Pat. Off.



Checking spring pigs about ready for market are Lyle Barnett and children of Butler county, Iowa.

If fall hog prices act as usual . . .

Drop of $2 to $3 next two months is likely

WHERE are hog prices going in the next three months? In which month this fall will hog prices be lowest?

For answers to the questions, let's look at hog price changes in the fall for years since World War II controls lost their effect. Then consider size of the hog crop and time of farrowing.

Hog prices have gone down from September to a low point in November or December every year for the last seven years.

Average decline in hog prices after September has been about $3.10 per 100 pounds. The price drop has ranged from a low of $1.75 in 1954 to a high of $4.50 in 1949. Last year's price decline was $3.95.

Low point in hog prices has been December in five of the seven years. The low came in November twice—in 1950 and 1953.

Further details about spring pig crops and fall hog price changes can be found in the table at right.

Notice that hog prices nearly always move downward month by month in the fall. In the seven years, there have been only three fall or early winter months in which hog prices were not as low or lower than the month before.

The three months in seven years when hog prices gained over the month before were December in 1950 and 1953 and November of 1954.

So according to the history of the hog market, you can expect prices to work downward in the next three months.

But we have about seven percent reduction in the spring pig crop now going to market. Will that have some effect in easing the price drop?

In 1952, farmers reduced the spring pig crop 10 percent. Still hog prices went down $2.85 from September to December.

And in 1953, farmers cut spring pigs again by 13 percent. Then the price drop from September to November was $3.50. But all of the loss in hog prices from September to November was regained in December.

From the record, it would appear that the hog crop cut was not enough to check the usual fall hog price decline. Reduction of $2 to $3 should be expected from September averages.

However, it is possible that November instead of December will be the low month for hog prices this year. This prospect results from the farrowing pattern for spring pigs.

According to the June Pig Crop report, the reduction in spring pigs was almost altogether in the late farrowed pigs—April and May.

Since April and May pigs will normally go to market in November and December, supply in those months should be down from the usual percentage marketed in those months.

So the low point in the hog market could easily come in November.

The usual price reduction from November to December is small anyway.

There are several things, however, that can affect prices in the late fall. Occasionally farmers hold hogs to clean up corn fields after pickers. That can hold up prices for a while as it did in November, 1954.

Or farmers may begin to hold hogs and feed to heavier weights for other reasons. Then, fall price changes may vary from the usual pattern.

Unless something unusual happens, this looks like a year when hog raisers should push hogs to market as rapidly as possible at least until November. After November, the need to hurry marketing may be passed.

	Spring pig crop		Fall hog prices				Price drop
Year	Millions	Change	Sept.	Oct.	Nov.	Dec.	Sept to low
1949	57	+13%	$20.50	$18.05	$16.25	$16.00	$4.50
1950	58	+ 2%	21.50	19.75	18.35	19.00	3.15
1951	61.3	+ 6%	20.50	20.50	18.85	18.60	1.90
1952	55.1	—10%	20.00	19.00	17.40	17.15	2.85
1953	47.9	—13%	24.50	21.75	21.00	24.50	3.50
1954	52.9	+10%	20.25	18.75	19.50	18.50	1.75
1955	57.3	+ 9%	15.35	14.85	12.75	11.40	3.95
1956	53.1	— 7%	?	?	?	?	?

Table shows spring pig crops since 1949; percent change from year before; hog prices for four fall months each year; and the price drop each year from September to the low point. Hog prices are monthly averages for light hogs at Chicago. Farm prices were much lower, of course.

Pay-Off

For farmers, the harvest is the pay-off. And the end of a lot of anxiety about the weather. Even when the crop is none too good, it's a relief to finish the combining and husking. The final rumble of the elevator is always pleasant music.

Editorials...

Hear Ike and Adlai

AS IN 1952, farmers who attend the National Plowing Match will have a chance to hear and compare the presidential candidates. (See map at right for dates and location).

Mr. Eisenhower has confirmed his intention to speak, probably in the afternoon of Friday, Sept. 21. Adlai Stevenson is slated for Saturday, Sept. 22.

Watch Those Drafts

THIS IS the time of year when farmers need a keen weather sense if they want to keep their hogs healthy.

It is the time when cold drafts often spring up during the night and start a siege of flu. Yet the days are often warm and quiet.

So just before hitting for the bedstead, it's usually a good idea to step outdoors. Is there just a hint of a chilly breeze? Better close up the north and west shed windows, and maybe narrow the doorway space a little. But don't over do it; inadequate ventilation can bring trouble, too.

Spoke Too Soon

UNDERSECRETARY of Agriculture True Morse recently hit the front pages of city newspapers with a prediction that 1956 farm income would increase for the first time since 1951.

Morse admitted that production expenses would again be higher this year, but contended, nevertheless, that net proceeds to farmers would be up slightly. However, he was not rash enough to venture specific figures.

It's just as well that he didn't. A week later, Department of Agriculture itself reported that farm prices had fallen three percent in the month ending August 15. As a result, farm prices dropped from 85 percent down to 82 percent of a full parity relationship with the cost of things farmers buy.

Ezra's Right on This

ONE REASON farm people deserve a fair income is the fact that each year they furnish the cities with thousands of full-grown, educated young people.

Secretary Benson has now taken notice of this situation with a rather remarkable statement at Battle Creek, Mich.

"More than half our young farm men and women leave the farm before they are 25 years old," he said," "What does that mean? It means that farm families and farm communities rear, feed, clothe, shelter, and educate these young people throughout their unproductive years. Then after they get out of college, they head for the city."

"Historically," Benson added "this has been one of the biggest, most valuable, and least publicized of all subsidies."

Maybe No Program At All

SOMETIME between now and Dec. 15, corn farmers must decide by ballot whether to keep on with the soil bank program in 1957 or go back to acreage allotments.

When corn producers take up this question, I suspect they are going to feel a little like the chap who once asked Henry Ford for a choice of colors. "You can have any color you want", Ford is reported to have answered, "—as long as it is black."

I mention this because as I read the new law, farmers may get lower price supports for corn no matter how they answer in the referendum.

If they go for a continuation of the soil bank, corn loan rates for the next three years can hardly be higher than the expected market price. (See page 20)

On the other hand, if the "yes" vote fails, and we go back to allotments, the support level still might not be very much higher. Under the flexible price amendments passed in 1954, the Secretary of Agriculture can set the loan rate as low as 75 percent of parity, that is, at a national average as low as about $1.30 per bushel.

A lot depends on how far above "normal" the Secretary considers the corn supply to be. Last winter, Benson was so annoyed at the accumulation in government hands that he dropped the support rate to $1.40 per bushel, 18 cents under the 1955 rate. He also cut acreage allotments by 13 percent from what they had been in 1955.

Not much has happened since to suggest that the offers under an allotment program in 1957 would be much different, if Benson is still Secretary of Agriculture. The 1956 corn crop apparently will not be much below that of 1955. Corn stocks at July 1, including government supplies, were larger than a year earlier, and the number of corn-consuming animals was lower.

While it is true that under a return to the allotment system, farmers could still earn soil bank payments, they'd undoubtedly have to cut much deeper on corn acreage before their payments would apply. To get the "acreage reserve" or underplanting payment ($44 per acre, Iowa average), you would have to start from your allotment limit.

Adding up, one begins to realize that if farmers don't decide to continue the full soil bank program in 1957, there really might be no farm program at all in the Corn Belt for the next three years.

As already outlined, a return to allotments and flexible price supports might prove so unattractive as to result in very little compliance.

But even the full soil bank program might conceivably prove disappointing in its final effect on feed production. That prospect of a lower loan offer in 1957 lessens the chances for widespread compliance.

The "acreage reserve" rate for underplanting one's corn base is not likely to be higher than it was in 1956. And the "conservation reserve" rate for retiring acres from other crops has been set too low ($12 per acre, Iowa average) to interest farmers on good land.

Yet the "conservation reserve" provision is the only one that makes payment eligibility dependent on a net reduction in total tilled acreage.

Well, what's to be done? First of all, farmers should demand that Benson give his views on 1957 corn loan levels before the referendum, and preferably before the Nov. 6 national election.

Second, he should be asked to raise the conservation payment rate, so as to ensure more interest in it, thus to effect a greater net reduction in total feed acreage. And third, farmers might as well start thinking about farm law changes they'll eventually want made in the next session of Congress.

—Art Thompson.

World Won't Starve

EACH YEAR, the world produces enough food material on land and sea to support a population many, many times larger than at present.

So says Dr. James F. Bonner, professor of biology at the California Institute of Technology, after studying estimates of future production potentials made by leading American coporations.

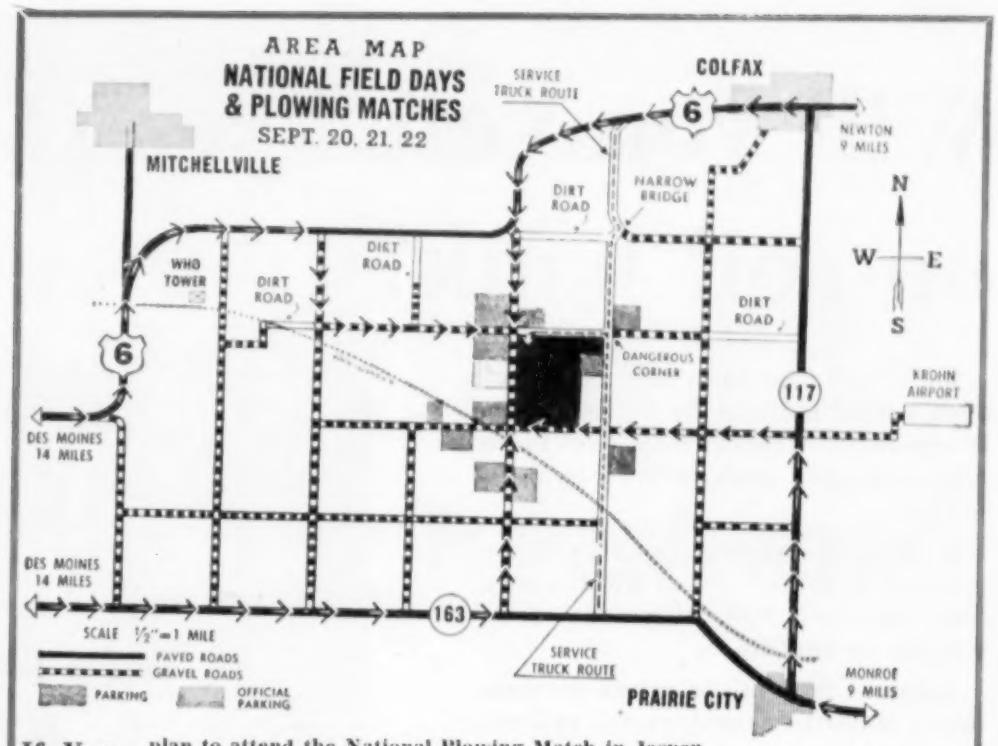
How can Bonner make such a statement, when more than one-half of the world's population today receives barely enough food to keep alive?

The answer is that most people eat only cultivated plants and they account for only one-fourth of all usable vegetation. Of these cultivated plants, we give about one-half to animals, and they don't even use all of what is given to them.

Then the edible animal products give a caloric yield only about 10 percent as great as the original plant supply provided. Furthermore, even in the case of cultivated plants consumed directly, people throw away about 80 percent of the growth, including stems and leaves.

For another thing, man loses about one-third of the annual food supply to insects, fungi, rabbits and such. Finally, we could, if pressed, reclaim one billion acres of land, convert woody materials to sugars, and cultivate algae in the oceans.

But, and here's the catch, our diet under such pressure, might not be quite as "exciting" as now. Indeed!



If You plan to attend the National Plowing Match in Jasper county, Iowa, look over the above map before you start out. Or better yet, take it along with you. It shows the parking and road lay-out near the show site.

Odds and Ends . . .

BECAUSE of rising interest rates, there is likely to be an increase in future time-payment charges for buying cars and other goods on the instalment plan.

. . . U. S. EXPORTS of livestock and livestock products during the first half of 1956 totalled $189 million, 26 percent larger than a year earlier. Thus, exports for the period exceeded total imports of the same classes of products by $49 million. Meat imports in the past year have been discouraged by our large domestic production and resultant low prices.

. . . FARMERS suffer more from arthritis than people in other occupations. This is the finding of the Arthritis and Rheumatism Foundation.

. . . WHAT FEED makes the best flavored ham? Peanuts, says the Virginia agricultural extension service. At least that's what a panel of tasters concluded in a recent taste test.

. . . PUT BREAD in the home freezer if you want to keep it fresh. That's the advice of home economists of the U. S. Department of Agriculture. Next best place to store is a well-ventilated breadbox in a warm part of the kitchen.

. . . STATE and local government taxes on U.S. farm real estate in 1955 amounted to $927 million, an increase of nearly seven percent over 1954. Tax levies in 1955 were about 25 percent higher than in 1950 and almost double those of 1945.

. . . UNNECESSARY and "soft" jobs are found among the management positions in industry as well as among laborers. This is the finding of the American Institute of Management from a study of 23,000 companies. "In more than nine out of 10 companies, at least one member of the management echelon should not be on the payroll," the Institute said.

. . . IN MOST countries of the world, prices during the past year have moved against the farmer. At the same time, there has been no appreciable drop in retail food prices. So says the United Nations Food and Agriculture Organization (FAO). Total world food production rose by three percent, and the volume of farm products in international trade advanced about five percent. But millions of humans in heavily populated countries remained underfed.

Song of the Lazy Farmer

MY WIFE and I are having spats about the kind of women's hats that currently are latest style, they beat all other fads a mile. Each time I see one I must go across the street, because I know that otherwise I would, by jing, bust right out laughing at the thing. A close look tells me it is not an old, not-needed flower pot; but tho I study one for days, I'm still in something of a haze 'bout what it's really s'posed to be; the thought keeps coming back to me that it ought not be on a head but should adorn a lamp instead.

I think it's mighty terrible that women are so gullible; whate'er designers want to try, the gals will always rush to buy. It ain't desire or looks that brings in customers for crazy things; the reason is that woen hate to wear a thing that's out-of-date. Mirandy's in an awful sweat to save enough so she can get a lampshade hat or maybe two, no other kind would ever do. And when she does, I think I should make sure the job is really good by adding bulb and chain so she she will look just like a lamp, by gee.

Will you vote "yes" on soil bank?

Under the new farm law, corn producers must indicate by ballot before December 15 whether they want to be offered the soil bank program again in 1957.

If they do approve, what will the program provide? What will the corn loan rate be? Will all producers be obliged to participate?

Suppose they fail to return the two-thirds majority necessary for approval. What happens then?

FIRST, let's suppose eligible corn farmers vote "Yes" by the required two-thirds majority. In that case, they would again be assigned the same corn acreage bases that they had this year. That is, they would again have their proportionate shares of the national corn base of 51 million acres, as fixed in the soil bank thru 1959.

The corn base, incidentally, was the largest of the two corn acreage figures which your county farm program (ASC) office sent out to you last spring.

The smaller figure, issued first in March or April, represented the original corn allotment for 1956. It was 15 percent smaller than the figure which Congress decided on as the 1956 corn base.

With your corn base at hand, what then could you do in 1957? If you wished to qualify for the full price support loan, you would need to underplant this base by 15 percent, same as was required in 1956.

The acres which you held out of corn could then be used for producing some other non-allotted crop. Or they could be set aside for non-harvesting or non-grazing, and you would again qualify for the large "acreage reserve" payment.

This payment averaged about $44 per acre in Iowa this year, depending on the "normal" corn yield determined for each farm by the local ASC committee.

It would also be possible to qualify for the full support loan just by holding corn acreage at the base figure. One would simply set aside for non-harvesting and non-grazing an acreage in approved soil-conserving usage equal to 15 percent of this corn base. In such case, tho, set aside acres ("conservation reserve") would have to be kept out of use for at least three years. And the rate of payment per year would be less than one-third as large as for the acreage reserve. (About $12 per acre, Iowa average).

You could also put additional land into the conservation reserve by reducing your acreage of other tilled crops below their average area for the past two years.

What if the "Yes" vote turned out to be less than two-thirds of the total cast in the referendum?

In that case, the Secretary of Agriculture would review the corn supply situation and set individual allotments just as has been done in past years. It would still be possible to earn soil bank payments. But to get the large acreage reserve payment, one would have to underplant from the allotment figure, instead of the higher corn base.

Similarly, payments for shifting land to the conservation reserve also would depend on holding corn plantings to allotment. Furthermore, compliance with the allotment, rather than the base, would be necessary to qualify for the full price support loan.

At this point, it begins to look as if the corn producer shouldn't have much trouble deciding which way to vote in the forthcoming referendum.

However, under a continuation of the full soil bank program, the loan support must be "at such level as the Secretary determines will assist producers in marketing corn in the normal channels of trade but not encourage the uneconomic production of corn."

That seems to say the support level must be kept low enough that no corn will have to be taken over by the government. Would that be as high as $1.30 per bushel? Or $1.15. Or lower?

Quite clearly, Corn Belt farmers will not be able to vote intelligently in the December referendum unless they know the answers to such questions. They should also know whether a special corn loan rate will again be offered farmers who over-plant corn.

Several organizations representing farmers have already asked the Secretary of Agriculture for decisions on these points at the earliest possible date. They take the view that it should be possible to attempt this with reasonable finality as soon as the next crop report is out on October 10.

What might the loan level be if the "Yes" vote fails to carry two-thirds? In that case, the Secretary of Agriculture under the flexible price provisions of the original farm act could still set the corn support as low as about $1.30 per bushel, national average. This would be the legal minimum of 75 percent of parity.

In addition, in view of the current supply situation, he might possibly decide also that corn allotments in 1957 should be no higher than the 43 million acre (commercial area) limit set in 1956.

In other words, he might again come out with a low allotment—low price support corn program.

Such a program would not attract much compliance.

Farmers know only too well what this could mean in the way of excessive feed production and eventual excessive livestock feeding.

Whatever the results of the referendum, the decision this fall will be binding for three years (unless Congress changes the law meantime). The soil bank law doesn't seem to contain a provision for resubmitting the question to farmers each year.

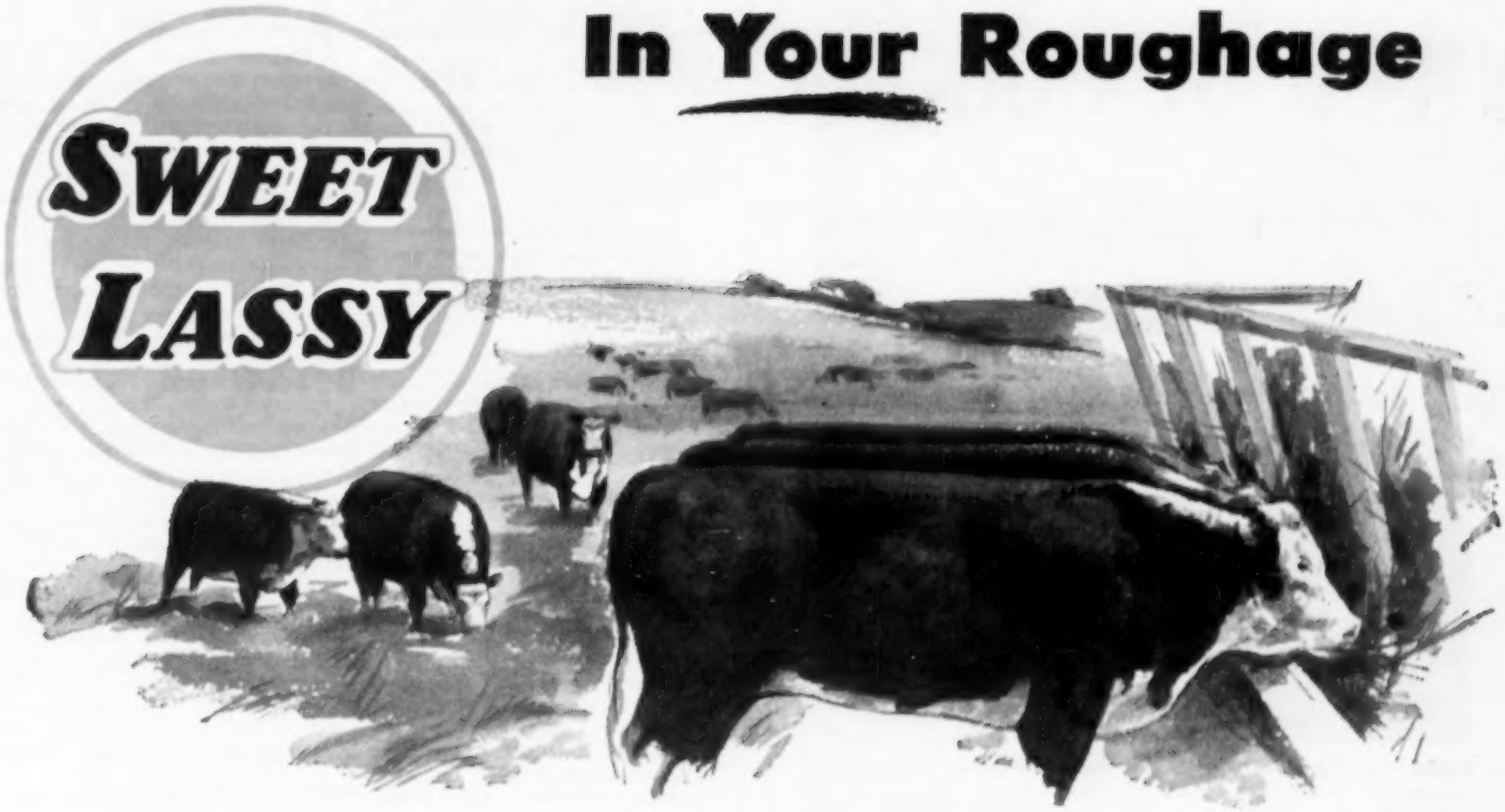
There is one important difference, however, between the corn referendum and the recent wheat program balloting. The wheat producers voted on, and approved, marketing quotas with which all of them must comply.

Under the corn referendum, an individual farmer will not be compelled to comply, no matter which way the vote goes. But he owes it to himself to study the matter carefully beforehand, so his vote will be cast for the program that will be better for him in the long run.

Sweet Lassy **Supplies the–**

MISSING INGREDIENT

In Your Roughage



Make More Efficient Use of Your Roughage

The most important and profit-making portion of a cattle ration is roughage. Cattle have the ability to convert large quantities of otherwise wasted feed into man's best and most demanded food. ***Sweet Lassy*** researchers are constantly improving the usability of roughage by supplying cattle the nutrients required to improve digestion and feed efficiency.

Sweet Lassy—a favorite of cattlemen for many years, has kept pace with the new developments in rumen nutrition. ***Sweet Lassy*** is rich in molasses sugars and carries a balance of proteins, minerals and vitamins, all of which when fed to cattle work together to whet the appetite, stimulate micro-organism activity, and improve bacterial action. Rations supplemented with ***Sweet Lassy*** stretch available feeds, make fast, efficient gains, and return top dollar profits to the nation's cattlemen. Contact your ***Sweet Lassy*** Dealer today.

STILBESTROL

Sweet Lassy is also available in range or bunk size pellets, with or without Stilbestrol. Sweet Lassy is manufactured in 11%, 22%, and 30% protein. Vitamin A can be added where it is needed.

Sweet Lassy
CATTLE SUPPLEMENT

A PRODUCT OF

SCHREIBER MILLS, INC.

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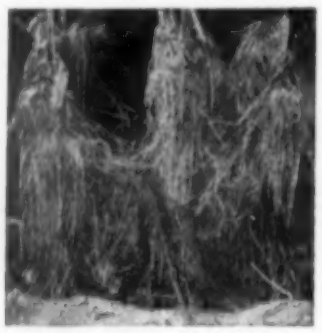
Why only UNITED-HAGIE gives you a YIELD GUARANTEE

Yes, only United-Hagie can give you this yield guarantee— "United-Hagie hybrid seed corn is guaranteed to produce as well or better than any other corn of like maturity you plant under similar conditions or your money refunded after official yield check." Here are a few of the reasons why United-Hagie Hybrids make this amazing yield guarantee—

Planter Plate Graded—

United-Hagie's modern planter plate grading methods make sure the seed fits the planter plate it's graded for. Planting is easy, even. You get better, fuller stands. Each sack is marked with planter plate number.



Built-in Weather Insurance—

Dry year, wet year, normal year United-Hagie varieties produce good yields regardless. Because United-Hagie varieties are bred for deep roots. Roots up to nine feet in length go out after moisture and food.

Exclusive Kernel-Koating—

United-Hagie is coated with disease resistant and nutritional elements that both protect and feed the seedling. Seed is protected from disease, fungi, cold . . . given its first meal for a fast, sure start, better germination.

Small Cob, Full Kernels—

Through years of research, United-Hagie scientists have developed hybrids with small cobs and deep full kernels to give you a higher shelling percentage. Sturdy stalks keep those big deep kernelled ears hanging on.

EVERY FARMER SHOULD PLANT SOME UNITED-HAGIE

The only hybrid seed corn you plant with a written money back yield guarantee. The hybrid seed corn that outyielded 4 major competitors 3 out of 4 times in the 1955 Iowa Corn Yield tests.

See your United-Hagie dealer—

for his address and FREE "Analysis of 1955 Iowa Corn Yield Test", drop a postcard to **United-Hagie Hybrids, Inc., Des Moines 9, Iowa.**

more kick in the spring

bigger corn in the fall

UNITED-HAGIE HYBRIDS Grow and Compare

Hog pastures out-dated?

Can hogs be produced more efficiently on concrete? Breeders argue question

ROTATED legume pastures have done a lot for hog farmers in the last 35 years. No doubt about it.

Clean ground helped curb the disease problem. And good legumes helped stretch feed dollars.

But some folks now are saying that legume pasture hog programs are old-fashioned and outdated—that with modern feeds, hogs can be raised more efficiently on concrete.

How do you feel about this? Do you think we're going to see a big trend toward raising and finishing hogs in confinement?

We put those questions to some of the hog exhibitors at the Iowa State Fair. They're men with a lot of hog-raising experience. They take the hog business seriously. Here's how some of them answered:

Harlan Hirsch, Warren county, Iowa—We don't go along with that thinking. Hogs will stay healthier and thriftier on pasture. They stay up on their legs better too. You get cheaper gains on pasture.

Harlan Harper, Marshall county, Iowa—It's a question in my mind yet. I think you can get more rapid gains on concrete. That has been proven. But as to economy of gains, I don't know.

It takes a bigger investment in equipment to raise hogs in confinement. And disease may be a greater problem—especially for the average hog farmer.

Gene Scott, Decatur county, Iowa—Pasture is low cost feed. I raise hogs in confinement every winter. You might get faster gains on concrete. But the cost of gain is higher. And I think a hog will do better out on the fields.

C. W. Bartholow, Washington county, Iowa—I believe confined hog raising is going to be too much work for the average farmer. And I'll tell you why: You're going to have to keep the very strictest sanitation. You'll have to clean and scrub the place every two days, at least, during hot weather.

I like to finish hogs in the lot. But I want 'em to get their growth on pasture.

Eugene Dugan, Buena Vista county, Iowa—You might get quicker gains on concrete. But you can't put on the gain at as low a cost.

I like to keep pigs on concrete until they're weaned. Then they go to pasture.

Blair Duncan, Louisa county, Iowa—You get your most economical gains on pasture. And unless you spend a lot of time cleaning pens, your hogs will do better on pasture.

James Beaty, Pottawattamie county, Iowa—There's more work and more expense in raising hogs in confinement. You have to have good equipment and plenty of help.

Walter Kruse, O'Brien county, Iowa—It might be all right for market hogs. But breeding stock needs to be out on the fields to develop strong legs, feet, etc.

Name withheld, Bremer county, Iowa—You can put a hog to market faster with less feed cost by raising him on concrete—because you can control the total feed intake. But I won't change to confined hog raising so long as I'm producing breeding stock. Boars and gilts develop better on pasture.

CONCENSUS—Average farmer gets cheaper gains on pasture than in confinement. Pasture covers up for mistakes that hog farmers often make. Unless you have good facilities for handling hogs in confinement and plenty of sanitation "know how", better stick with a pasture program. But with top management, there's a chance to come out ahead by raising hogs on concrete.

IF A MAN doesn't die poor, the government tax situation will take care of it for him.—Kossuth County Advance.

Easy loading . . .

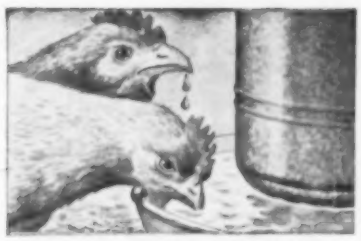
Bed of this trailer tilts to allow ground-level loading. Good for moving either machinery or livestock. Two-inch pipe make framework for sides and can be removed to make a flat bed trailer. Built by S. K. Oakleaf, Page county, Iowa.

Scientific MYZON Formula In Drinking Water

STOPS LAYING SLUMPS FAST

WHEN BIRDS ARE OFF-FEED WITH COLDS FROM CHRONIC RESPIRATORY DISEASE (Air Sac), NON-SPECIFIC ENTERITIS, BLUE COMB, RICKETS

You Don't Change Feed!



GOES IN DRINKING WATER

Thus Sick Birds That Won't Eat Now Drink Their Way To Fast Recovery

Like humans most birds stop eating when sick and feverish-looking. But they *don't* stop drinking; they usually *drink more!* That's why MYZON'S exclusive formula in drinking water proves so effective! Sick birds drink and drink, quickly getting MYZON's wonder-working ingredients they *need* to fight these diseases, to *hurry* them back to higher egg production, to *build* them into sturdier birds!

PART OF THE SECRET

Exclusive Myzon Formula Contains RQ-14, Exclusive Combination Developed After Science Reports: "Antibiotics Alone Are Not Enough"

Yes, amazing new MYZON POULTRY BUILDER — developed after many months of hard, patient research is entirely different from anything else you've seen or heard about! MYZON POULTRY BUILDER is *more* than an antibiotic preparation to fight disease germs. For, wonderful as antibiotics are in over-coming disease, other elements are needed to rebuild health. From MYZON your birds get necessary ingredients to promote better appetite; resistance to disease; to build bone structure; to hurry growth, produce red-blood cells; to help prevent Rickets, thin-shelled eggs; to improve feathering and often hatchability when there are vitamin deficiencies—and to get you *extra eggs!* Rigid tests (under normal farm conditions) prove MYZON does everything promised! Accept no substitute. Look for the name "MYZON" on the label! Then get MYZON POULTRY BUILDER TODAY!

Although Individual Experience May Vary, You Must Be 100% Satisfied With Your Very First Package of MYZON or Your Money Refunded.

MYZON SWINE BUILDER STOPS PIG SETBACKS!

Due to Scours, Necro, Shipping Fever, Nutritional Anemia, Fights Bacterial Pneumonia

GOES IN DRINKING WATER — YOU DON'T CHANGE FEED

Speeds Up Backward Hogs, Pigs

GETS PIGS "GOING AGAIN—GAINING AGAIN." Just released from the laboratory after many months of patient testing, this great new scientific triumph not only helps STOP INFECTIOUS SCOURS, NECRO, faster, but, even more important, it gives pigs the strength and resistance to help keep Scours from coming back. Best of all, MYZON SWINE BUILDER keeps pigs gaining fast. Instead of losing weight because of these diseases, pigs recover quicker and gain weight faster. MYZON SWINE BUILDER comes to you in a highly concentrated form. Water-dispersible—you simply put it in drinking water. That's all the directions needed! When sick and feverish, most pigs stop eating, but they actually drink MORE—quickly getting lots of MYZON'S exclusive, high-potency formula right to the stomach and intestines, right to the cause of the trouble—to take charge of these disease germs and to help keep pigs gaining weight. NOW FOR THE FIRST TIME A LOW-COST WAY TO SPEED UP BACKWARD OLDER HOGS. TO KEEP EVEN SICK PIGS EATING AND GAINING WEIGHT. Get MYZON SWINE BUILDER from your dealer today! Keep on hand ready for emergencies.

Read What Amazed Users Say About Myzon Swine Builder

SCOURS STOPPED IN TWO DAYS

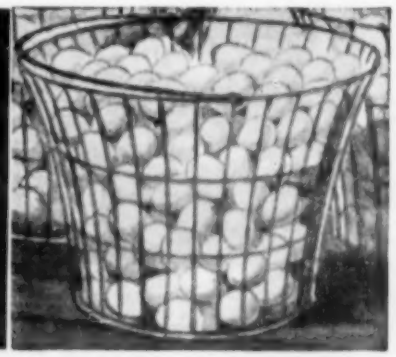
"My pigs weighed about 30 lbs. and had scours. I fed Myzon Swine Builder for four days. The scours seemed to be stopped at the end of two days. At the end of the four day period these pigs were eating good and healthy again. Myzon not only stopped the scours but it got these pigs eating and gaining more again in short order."

Harry Mayer,
Humboldt, Nebraska

NO MORE SIGNS OF SCOURS, THANKS TO SWINE BUILDER

"In regard to your Swine Builder, I had scours in my pigs. I went and got Swine Builder and it sure did a wonderful job, no more signs of scours thanks to Swine Builder. I highly recommend Swine Builder."

A. E. Duit,
Iowa Falls, Iowa



Keeps Egg Production Higher Right Thru Damp, Changing Fall Weather Costs Only Pennies A Day

NOW GET EXTRA EGGS EVERY MONTH THIS SCIENTIFIC WAY

For the price of about one egg a bird, a month, you can stop these costly laying slumps

You may not know it, but every month you may be losing worthwhile profits because of these LAYING SLUMPS. Worse yet, you may have the mistaken idea there's nothing you can do about it.

But *now* you can get those *extra* eggs that are ordinarily lost to these diseases that often accompany cold, damp weather. Now you can give your birds the amazing new scientific MYZON FORMULA they need to help ward off these laying slumps that cause heart-breaking losses—right in the drinking water, *without* changing feed.

GOES TO WORK IN MINUTES

Research scientists believe MYZON'S exclusive formula goes to work *in minutes!* The reason? MYZON POULTRY BUILDER is carried by the drinking water (rather than feed!). Thus most MYZON by-passes the feed in the stomach, crop, gizzard, to go *direct* to the intestinal tract where it is absorbed and promptly carried to all parts of the body! No wonder then MYZON works so fast—so quickly wards off the diseases listed above.

Now Scientists Say That Many Laying Slumps Are Due to Chronic Respiratory Diseases

that often accompany changing weather conditions. For only a few cents a month per bird you can help get those extra eggs that are lost to Colds due to Chronic Respiratory Disease, Non-Specific Enteritis, Blue Comb.

MYZON POULTRY BUILDER Helps Prevent and Treat

Colds due to Chronic Respiratory Diseases (Air Sac) Rickets, Non-Specific Enteritis, Blue Comb, Bone Weakness, Thin Shelled Eggs, Poor Feathering, Scaly Skins, Anemia, when there are vitamin deficiencies.

EGG PRODUCTION JUMPS FROM 8 TO 90 PER DAY

"When I started using Myzon last fall my pullets had awful colds and were just laying 8 eggs a day. I got Myzon and treated for sick birds and it sure did the job in a hurry. Before long they were better and laying from 75 to 90 eggs a day."

Mrs. Arthur Bell, Bowen, Illinois

"CHICKENS STOP DYING WITHIN TWO WEEKS"

"In December 1955 my chickens started dying. I took a few sick ones to the Wisconsin University and they advised that the trouble was due to Respiratory Disease. I immediately bought Myzon Poultry Builder and put it in the drinking water. Within about four days I could notice an improvement and within a week and a half they started laying again. Within 2 weeks they were back in full production."

Stanley Noble, Lancaster, Wisconsin

MYZON STOPPED THE COLDS . . . SOON GETTING 120 EGGS FROM 150 HENS

"I started feeding Myzon when my birds had caught cold and gone way down in production. Myzon Poultry Builder stopped the colds and we were soon getting 120 eggs from our 150 hens. Since then I have been using it all the time and have found that the hens stay healthy and I don't have the problems I had in past years."

Carl Nietnestein, Emerald, Nebraska

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MYZON POULTRY BUILDER

At Better Dealers Everywhere

MYZON, INC., Dept. 74, 3129 W. 47th St., Chicago 32, Illinois

FERTILIZER TIPS

from 'EARNIE'

THE COMINCO ELEPHANT

Troops of the 103rd Infantry Division (Iowa-Minnesota reserve) parade before commanding general during two-week encampment last month at Camp McCoy, Wisconsin. Field editor Dave Bryant was on hand to witness the review. And below, he reports some of his impressions gained from spending two days with the reserve unit.

Outside stuff

EVER see a city cousin try to harness a horse? Then you can guess just about how confused I was last month when trying to get into a parachute.

There was a ring for every snap; and a strap for every buckle. But it took me a while to figure out which went with what.

The occasion: With a group of other Iowans, I was flying via air force plane to visit the 103rd Infantry Division (Iowa-Minnesota reserve) during its annual two-week encampment at Camp McCoy, Wisconsin.

To nobody's disappointment, we didn't get to try out the 'chutes.

After we were securely harnessed, but before the plane left the ground, the man beside me quipped: "If we're gonna' jump, let's do it now."

• • •

MY big quarrel with the parachute developed after I had reached home. In wriggling out of the harness, I apparently dragged my notebook out of my hip pocket. And I left it behind.

It was a loss which I've often dreaded; but never before experienced. A reporter's notebook is one of his most valuable pieces of equipment. The theme of his yet-to-be written story may be in his head. But the specific details and the names which make the story come to life usually are in the notebook.

I had visited with some of the farmers in the army reserve. Found out how they were fitting military service in with their farming operations. Learned about their attitudes toward reserve army duty, etc. All that was in the notebook.

• • •

BUT I still had my impressions. One of them was this: The new program which permits a youngster to enlist for six months of active duty followed by seven and one-half years of army reserve duty is a pretty good deal for farm boys. It interferes with farming plans less than a two-year hitch in the army.

Take for example the case of the 19-year-old Harrison county, Iowa, lad with whom I visited. He took his six months of active duty last winter.

"It worked out pretty well for me," the young man told me. "I headed for Fort Leonard Wood right after the corn was picked. And I was back home this spring in time to put the oats in." Still living with his parents, the young farmer rents and operates 275 acres.

To get into this program, young men must enlist when they're between 17 and 18½ years old. And, of course, they have to follow thru with reserve duty. That means a two-hour session one night each week, and two weeks at camp each year.

Then there's another angle—the pay. Admittedly, it's nothing real big. But a few extra dollars can be mighty welcome to a young farmer.

• • •

ANOTHER impression: The taxpayer gets a pretty good buy in the reserve program. I was told that it costs about five million dollars per year to maintain a reserve infantry division. In contrast, it costs about $100 million to maintain a full time division.

Theoretically, the 103rd division could be ready for combat in 90 days if the need should arise.

And because most of the officers and many of the enlisted men have had combat experience, it would be a better combat unit than most of the divisions that went into battle during World War II. So I was told by top staff officers.

• • •

STILL another impression: Soldiering for two weeks at a time isn't nearly so trying as soldiering for two or three years. The reservists were working hard. But most of them were enjoying it. The work was a diversion from their regular jobs. They didn't have time to reach the stage of boredom in which griping becomes a major pastime.

—Dave Bryant.

ANNOUNCEMENT

Sargent — a trusted name in balanced-ration livestock and poultry feeds since 1888 — has become a division of the International Milling Company, second largest flour milling company in the world.

The same exhaustive laboratory techniques and quality-control methods that have marked the growth and progress of International Milling Company will be reflected in the entire line of Sargent feeds.

The well-known Sargent name will still be on the bag — and the feed inside will be produced under the most rigid standards of quality control, daily analysis of ingredients and finished product, nutritional research and uniformity.

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Vacationing?
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10:00 P. M. NEWS

WITH M. L. NELSEN

At ten p.m. Seven days a week. M. L. Nelsen . . . Managing Editor of WHO's award-winning News Bureau . . . covers the newsworthy events of Iowa, the U. S. and the world . . . plus the latest weather information.
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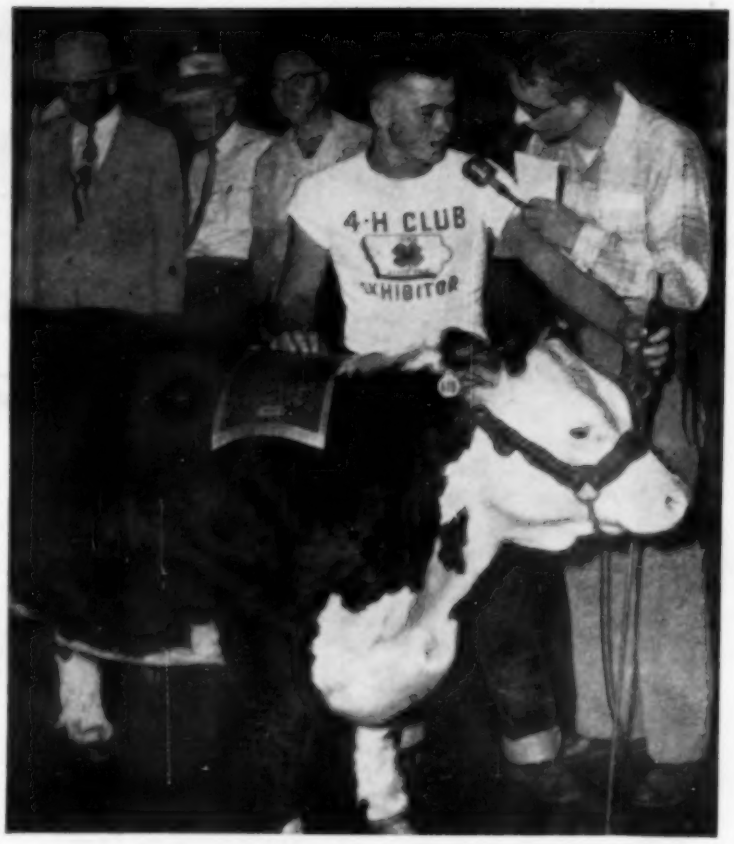

Grand championship—a real thrill for Larry Lein of Story county, Iowa, shown with his winning Hereford. He's being interviewed by Chet Randolph of radio station WHO. In the background, (left to right) are C. M. Bentzinger and P. S. Shearer, who picked the champion, and G. L. Lineweaver, state boys' 4-H club leader.

Hereford is 4-H champ

Story county boy's steer tops baby beef show. Scott county Angus takes reserve

A CLASSY, "home grown" Hereford faced stiff competition for purple ribbon honors in the 4-H baby beef show at the 1956 Iowa State Fair.

But he nosed out 618 other entries to hit the jackpot for 15-year-old Larry Lein.

Young Lein is the son of Mr. and Mrs. Orlin Lein. They operate a 163-acre farm in Story county.

The champion was a May calf from the Lein's herd of grade Herefords. He weighed in at 919 pounds. The steer was kept for further showing.

Pushing the Lein Hereford all the way was the quality Angus breed champion shown by Dale Bucks. Young Bucks, a 12-year-old 4-H'er from Scott county, did take the reserve spot.

This animal topped the sale that followed the show. At 55½ cents a pound, he brought young Bucks a total of $536.38.

Betty Trenary of Pocahontas county, moved up a notch from last year's Shorthorn show. She had the reserve breed champion then. Her Shorthorn breed champion went over the auction block for 30 cents a pound.

Reserve champion in the Hereford show was shown by James Smith of Wayne county.

Second spot in the Angus breed went to a steer shown by Dennis Freed of O'Brien county.

Roberta Rees of Marion county showed the reserve champion Shorthorn.

"High quality carried deep into each class. So it took some mighty fine animals to stand in the championship classes," agreed judges P. S. Shearer of Iowa State College and C. M. Bentzinger of Ottumwa, Iowa.

Drouth may have been hard on Marion county's crops this year. But 4-H beeves seemed to thrive there anyway.

In the county group (five animals) classes, Marion county made almost a clean sweep of top honors. Floyd county took top in the mixed group class. But Marion county won the three breed groups and had the Angus group named grand champion.

And in the group beef heifer contests, Marion county topped both Hereford and Shorthorn classes.

Even one of the champion beef club members was from Marion county. He was Gene Heaberlin who won a Hereford heifer on the basis of his record in beef club work.

Winner of the Shorthorn heifer was Roger Applegate of Pottawattamie county. Doran Bollman of Davis county won the Angus heifer.

For Higher Yields and

Greater Profits Next Year

Apply ANHYDROUS AMMONIA

THIS FALL!

Right now is the time to start planning for higher yields and greater profits next year. And to make sure that your crops will have enough nitrogen, apply Anhydrous Ammonia *this Fall*. It's your cheapest and best source of nitrogen—contains 82% nitrogen, far more than any other type of nitrogen fertilizer.

BEST FOR FALL USE

From a liquid—to a gas—THEN FIRMLY FIXED IN THE SOIL!

Anhydrous Ammonia is first choice, of all nitrogen fertilizing materials, for Fall use. This yield and profit booster stores safely in the soil over Winter. From a liquid under pressure in the tank, it becomes a gas when released in the soil. Then it is immediately combined with soil particles to form non-leaching ammonia clay and ammonia organic matter—remaining secure in this form through the Winter. When Spring comes, the nitrogen is made available to the young growing crop.

ADVANTAGES OF FALL APPLICATION

Here are some of the reasons why soil experts recommend Fall application:

More time. You can apply Anhydrous Ammonia when other farm work is not pressing—you can wait for favorable weather. Applying fertilizer in the Fall will help speed your Spring planting, too.

You're sure of getting it put in. If you wait until Spring, bad weather or lack of time may prevent you from getting fertilizer applied.

Machines pull easier in the Fall, when soil is in better physical condition. Soil texture is maintained, too.

Organic matter is built up because Anhydrous Ammonia aids decomposition of plowed-under stubble and other crop residues.

Get a head start on Spring work now. See your nearest dealer, listed below, for complete details on why you'll be *dollars ahead* next year, if you apply Anhydrous Ammonia *this Fall!*

ANHYDROUS AMMONIA IS SUPPLIED TO THESE DEALERS BY STANDARD OIL COMPANY. See your nearest dealer for complete information.

PLACE YOUR ORDER TODAY!

STANDARD

Iowa

Argyle	Schrock Fertilizer Service
Charles City	Ag. Service Co.
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Fort Madison	NH_3 Service Company, Distributor
Grinnell	Cornland Liquid Fertilizer
Lime Springs	Rich's Gas & Fertilizer
Mechanicsville	Victor Gaul Fertilizer Service
Mediapolis	Schrock Fertilizer Service
Mount Pleasant	Schrock Fertilizer Service
Oakville	Dwight Sparrow Fertilizer Service
Oakville	Schrock Fertilizer Service
Walcott	Hinrichs-Houghton
Washington	Schrock Fertilizer Service
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Astoria	Schrock Fertilizer Service
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Barneston	Schrock Fertilizer Service
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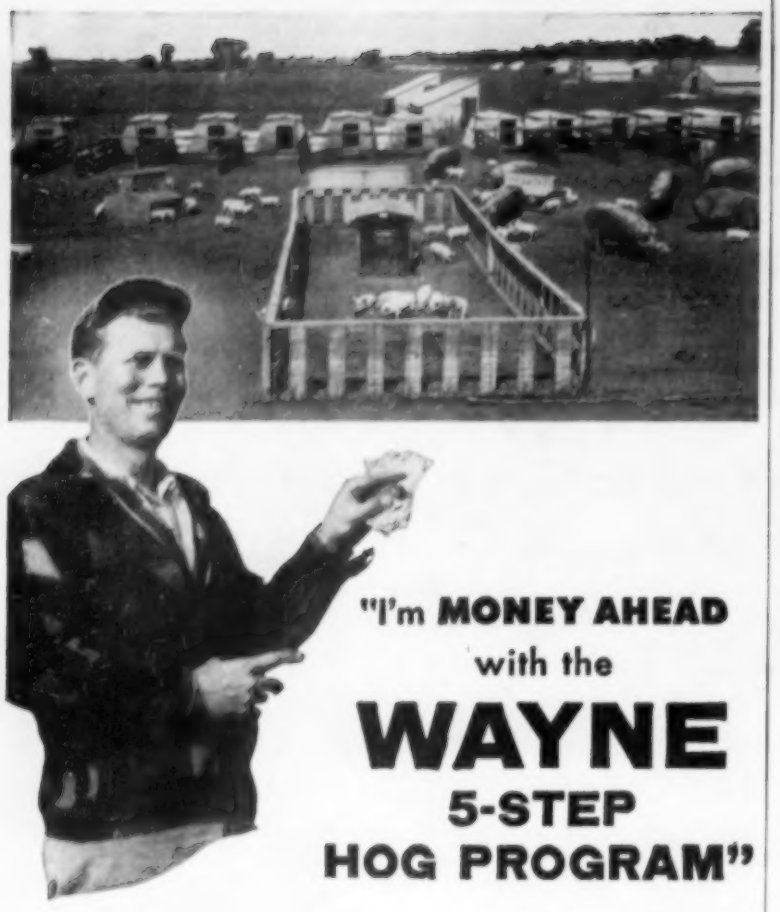

"I'm **MONEY AHEAD** with the

WAYNE 5-STEP HOG PROGRAM"

You'll be *money ahead*, too, if you follow the Wayne 5-Step Program that helps you cut your feed costs . . . gives you high-speed gains and earlier marketing.

Wayne Feed Scientists found that there are five definite stages in the growth of pigs and getting them to market. Each stage has different nutritional needs. The Wayne 5-step program supplies these needs as the pigs grow from stage to stage. Gives faster gains . . . and lower feed costs.

Here's how you can do it . . .

1. *For more, stronger pigs* at farrowing time feed *Wayne Brood Sow Supplement*. Tests on more than 4,000 pigs at the Wayne Research Farm have proved it a real pig-maker. Supplies the vitamins, minerals and proteins lacking in farm grains but needed by sows if they are to produce and nurse big, healthy litters.

2. *For Pre-Starting Baby Pigs* feed *Wayne Tail Curler Rockets*. Sugar-sweet pellets with plenty of power starts pigs off *fast as a rocket*. Rocket-fed pigs were 10% heavier at weaning time than pigs that did not get Rockets.

3. *For heavier pigs at weaning* feed *Wayne Tail Curler*. This popular feed is improved and even more palatable. Speeds pigs on to heavier weaning weights faster than ever before. Highly fortified. Contains amazing growth stimulating powers.

4. *For growing shoats* at lower cost feed *Wayne Pig Balancer*. A specially fortified supplement for 50 to 100 lb. pigs. Grows pigs and shoats rapidly and economically because it supplies the proteins and other ingredients necessary to balance nutrient requirements for hogs in this growth stage.

5. *For earlier marketing* feed *Wayne Hog Balancer*—A specially blended supplement for hogs over 100 lbs. Makes one bushel of corn do the work of two because it supplies at low cost the nutrients lacking in farm grains. Promotes faster gains and earlier marketing.

New "First-Aid for Ailing Pigs"

Wayne Res-Q Diet, new trouble-shooting feed for hogs of all ages, protects profits against costly scours due to bacterial infections.

Combines Arsanilic Acid and high-levels of antibiotics for prevention and treatment of Necrotic Enteritis (Necro), Bloody Scours (Black Scours), and Baby Pig Diarrhea. Stimulates growth—helps keep hogs gaining and on the profit-road to market without set-back.

Get started today on the Wayne 5-Step Program for faster marketing and lower feed costs. You'll be "Money Ahead." See your Wayne Dealer for complete details.

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5-136

Merrill Anderson (right) Jasper county, Iowa, farmer, is chairman of the big show coming up September 20, 21 and 22. Clair Guess (left) is program advisor for National Association of Soil Conservation Districts.

Ike and Adlai at Plowing Match

Fall's biggest show also features soil conservation along with plowing contests

READY for a break from fall work? Then the National Plowing Matches and Field Days is just what you're looking for.

Where? In Jasper county, Iowa, just south of U. S. Highway 6 between Des Moines and Newton. Northwest of Prairie City and southwest of Colfax.

When? Three big days—September 20, 21 and 22—filled with fun and education.

The cost? There's no admission charge. Plenty of free parking. Only thing you need to buy is lunch.

What'll you see? The answer to that is a long list.

President Eisenhower and Democratic presidential nominee Adlai Stevenson are scheduled on the program. It's a good bet that they'll both talk about the farm situation.

About 26 plowmen representing an area from New York to Nebraska and from Tennessee to Michigan are expected.

Of course, the contest includes both contour and level land divisions. Runner-up in last year's national contour match, Kenneth Clark of Larrabee in Cherokee County, Iowa, will be back for another crack at the top spot.

Soil and water conservation practices are another feature at the event.

On a two-hour trip by wagon train you'll see conservation practices—some done, some being done: (1) farm ponds, (2) waterways, (3) strip cropping, (4) diversion terraces, (5) erosion control terraces, (6) earth fill, (7) tiling, (8) pasture improvement, (9) wildlife conservation, (10) multiflora rose plantings, (11) mulch tillage, (12) wide row corn, (13) ridge row planting, and many other practices important to farmers.

Livestock exhibits will give you a chance to look at the mountain of feed "old bossy" puts away during the year.

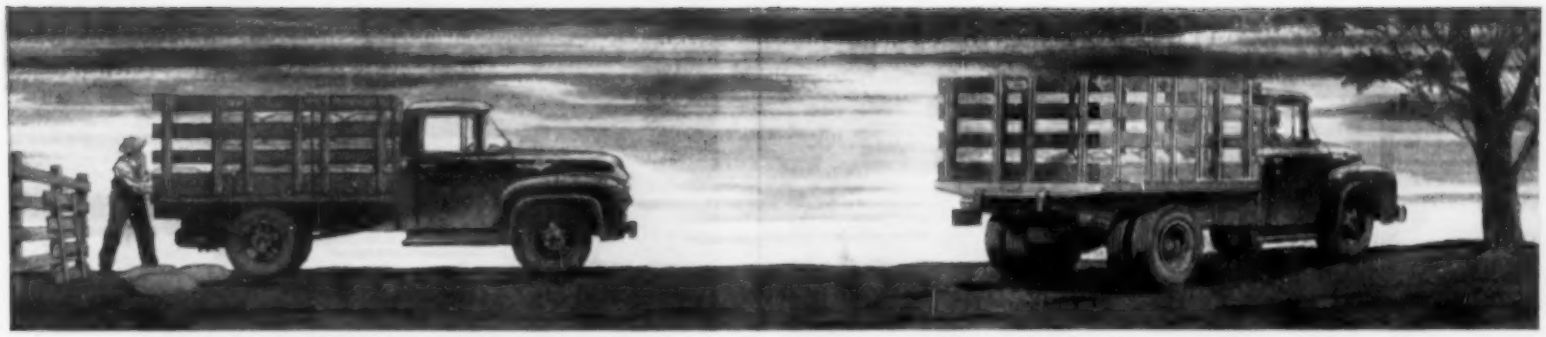
Of course, companies interested in agriculture will have their own exhibits.

Reigning over the activities will be a "Queen of the Furrow," chosen from over 800 beautiful Iowa girls.

A family living headquarters is being set up especially for the women. Style show, demonstrations, home furnishing talks, talent show, and an open house in a remodeled home are part of the program.

Of course, there are many, many more things you won't want to miss at the National Plowing Matches and Field Days in Jasper county, Iowa. So reserve September 20, 21 and 22 for the biggest show of the fall.

Defending 1956 plowing titles will be level land champion Donald Barbee, Ohio, (left) and contour champion Eugene Holmes, Minnesota, (right). They are shown with Herb Plambeck of WHO radio and TV, chairman of the plowing contests.



AT WORK, 5:30 A.M. Rouse out your Ford and let it show you how it can earn its keep. No need to pamper it either; a 10-million-truck study shows Ford Trucks last longer than any other leading make.

STILL AT WORK, 6:25 P.M.—and it doesn't matter what model you own, your Ford seldom needs a breather. The big truck fleets buy more Fords than any other make—evidence of Ford's sure-fire reliability.

Sunup to sundown on every job

FORD TRUCKS COST LESS!

ONE THING about farm life—it's no job for a lazy man. And it's no job for a lazy truck, either. Trucks have to be on the go, earning their way all day long. That's why Ford Trucks have always been such farm favorites.

Independent life insurance experts have proved that Ford Trucks last longer. You don't have to pay more for this durability, either, because Ford's initial cost is low . . . resale value is high. Mile after mile, day in, day out, Ford Trucks give the farmer a better return on his investment.

And when it comes to operating costs, a Ford is designed to give you top gas and oil economy, less engine wear, less repairs with Ford-pioneered Short Stroke engines. Only Ford offers Short Stroke design in every truck, in every engine—V-8 or Six.

If you want a truck that pays its own way, *every* way, see your Ford Dealer.

8-FT. PICKUP offers up to 19 cu. ft. more loadspace than any other ½-tonner. Popular 6½-ft. model has big 45 cu. ft. capacity. Both are great for family use, with car-like comfort, easy handling and parking. Exclusive Lifeguard safety features, too, for your added protection.

FORD TRUCKS LAST LONGER

Using latest registration data on 10,502,351 trucks, life insurance experts prove Ford Trucks last longer!

Lester Pfister ON IRRIGATION

Rainbirds at work on Pfister experimental acres south of El Paso, Illinois.

Eight years of experimental irrigation of corn has shown that it may be useful either as a form of crop insurance or as a method of growing bumper crops every year.

We have found wells to be the only satisfactory source of water supply, and it takes diesel power, high pressure, underground steel pipe lines and the largest size rainbirds to apply water where, when and in the quantity needed at reasonable cost.

Constant experimenting in all fields of corn growing is our way of making sure that there will always be one 187 hybrid that can give you maximum yields under any conditions. Buy Pfister and see.

Write us if you'd like a copy of our latest experimental report containing more information on irrigation.

PFISTER CORN CO.
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FOR WINTER FARM HOME COMFORT

With Green Colonial Heating

Your family will live in more comfort and health this winter after you install a Green Colonial furnace. A Green Colonial furnace is built heavier and more rugged to do a better job of farm home heating. Cold winds blow harder out on the farm. That's why you need a more dependable home heating unit like a Green Colonial furnace. Yes, for the most advanced way to modern farm home comfort . . . see your Green Colonial dealer or write. (A Green Colonial companion cooling unit can easily be installed with your furnace.)

GREEN COLONIAL HEATING & COOLING

NO DOWN PAYMENT
5 years to pay

Green Colonial Furnace Company
Des Moines, Iowa

ACP cost sharing rate for terracing was boosted to 70 percent for next year. Clarence Russell, right, and son Gary have five and a half miles of terraces on their Adams county, Iowa, farm. They are shown with a terracing machine.

Some ACP changes for next year

Here's a list of changes in ACP for next year. Some of them may affect your farm

THE AGRICULTURAL Conservation Program (ACP) for 1957 will be much the same as for this year.

Permanent type practices still get the main emphasis. All practices getting a cost sharing payment should be those that would not have been used without the payment. So there's no change in basic policy.

But some improvements have been made.

(1) You'll recall that last year cost sharing rate jumped to 60 percent on many permanent practices. Most will stay at that figure. But the rate for forestry and terracing practices has been pushed up to 70 percent for 1957.

(2) Top limit on cost sharing for standard and level terraces goes up to $3.50 per 100 feet.

(3) Basin terraces — used in parts of western Iowa—are now included in the list of practices.

(4) Top limit for cost sharing on farm ponds goes up to 10 cents per cubic yard.

(5) Well drilling is included with the regular practices. It was a special practice in some areas this year.

Payment on drilled wells will be made only if the driller certifies a minimum capacity of three gallons per minute for a period of four hours.

Pumping equipment must be installed in all except free-flowing wells before payment can be made.

(6) Sod waterways can be on any part of the farm land in 1957. Before, they qualified only if on crop land.

(7) If your county runs out of ACP funds this year, payment on practices started after September 1, 1956, can be made from 1957 funds.

Funds for 1957 ACP payments in Iowa total $9,185,000. That's down $24,000 from this year.

(8) New regulations place practices on a "life span" basis. That means that a farmer can get cost sharing for re-establishing a practice that has served out its life span.

This will not affect farmers in 1957 since 1954 is the starting point for determining the life span of a practice. But it can play an important part in future years.

(9) Purchase orders for 1957 can be issued after service or material is delivered if the vendor hasn't been paid.

Purchase orders are made direct to vendors. So the farmer who has already paid his vendors will not be able to get one.

About eight out of 10 counties used the purchase order plan this year. That's a big jump over 1955. And with good reason. Under this plan, you get a purchase order covering the government's share of any approved practice. This goes to the vendor who supplies the work or materials. He turns in the purchase order and gets his money fairly soon—say two weeks.

If you pay for the entire practice, you may have to wait six months for your refund.

As in the past, county agencies as a group will select the program to be followed in their county. Best results come when only two or three practices get most of the emphasis. But that doesn't mean that payment can't be made on other practices.

Many practices must still be approved by Soil Conservation Service technicians before payment can be made.

Practices on land put in the acreage reserve are eligible for ACP payments.

"We expect that farmers will be able to start signing up for 1957 practices sometime in November," says Dewey Cornell of the state ASC office.

"Request for cost sharing assistance can be made any time during the program year. But the request must be made and approved before you get any payment," he points out.

For 3 years—cattle feeders have been getting more dollar returns by feeding

AUREOMYCIN®

CHLORTETRACYCLINE

There are many cattle feeders who have been feeding out cattle with AUREOMYCIN for as long as 3 years.

AUREOMYCIN is the proved antibiotic for cattle. Levels of AUREOMYCIN in feeds and methods of feeding have been convincingly proved in many tests over the past 5 years.

AUREOMYCIN protects your cattle from stress and disease. It keeps your cattle "doing well"—with more vigor, more "bloom," fewer sickness days, fewer tail-enders.

AUREOMYCIN gives you the cheap gains you need to make a profit. AUREOMYCIN helps your cattle use their feed more efficiently to make cheaper gains. In feed savings alone, many cattle feeders are getting as high as $9 extra for every $1 they invest in feeding AUREOMYCIN.

Get all these advantages by feeding Aureomycin

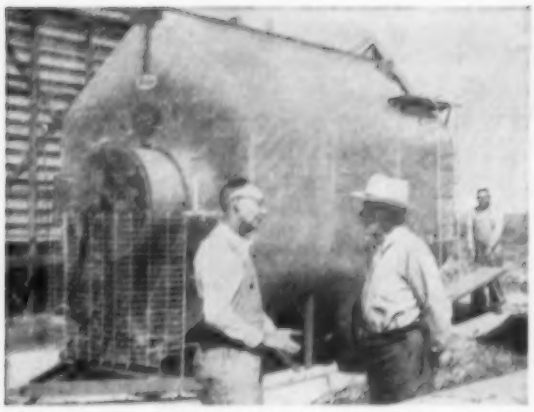
Healthier Cattle • More "Bloom"

Better Feed Conversion

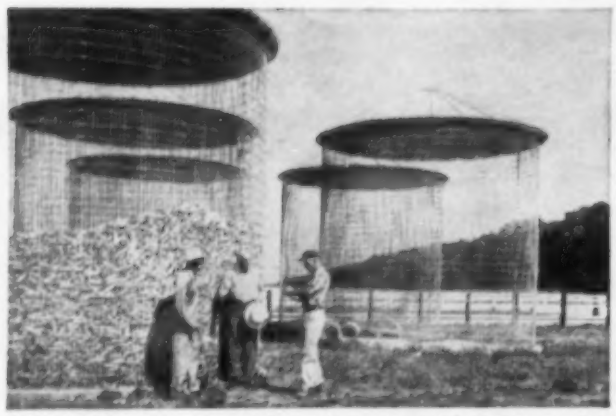
Cheaper Gains • More Dollar Returns

See your feed manufacturer today for supplement feeds that provide your cattle with the recommended 70 milligrams of AUREOMYCIN per head per day. Write for a booklet called "AUREOMYCIN for Cattle Feeding." It tells you and shows you why AUREOMYCIN gives you more dollar returns on your cattle. American Cyanamid Company, Animal Feed Department, 30 Rockefeller Plaza, New York 20, N. Y.

CYANAMID



I learned machines are replacing the sun for crop drying. The reason, less gamble, according to Harold Sanderson of Colon. He has dried every year, wet or dry, since 1950. At left, is the old model Behlen Grain Dryer that "ran night and day in '51" drying 136,000 bu. small grains for Harold and neighbors. At right, is the 1956 Behlen Grain Dryer with its fast drying rate and simple, one-man operation. "We don't have to wait on Nature now," he says.



Boy, how the old corn crib has changed. It has gone to durable metal like everything else. I was shown the fine points of modern cribbing by William Kucera and William F. Kucera, father and son, on the Nielsen-Kucera farm near Columbus. William Kucera has five Behlen Corn Cribs and he is sold on them. "Behlens galvanize the mesh panels after all welding. That way rust spots don't have a chance to start," he said. Son William then pointed out that the steel bars in Behlen Cribs were over ¼" in diameter. "These Behlen Cribs will be around long after all of us are gone," he commented.

H. V. KALTENBORN, *noted world reporter and senior NBC news commentator. As author, his latest book, "It Seems Like Yesterday," is being published by Putnam in November.*

H. V. KALTENBORN Reports "The Farmer Is Here To Stay—with Modern Equipment to Make Farming More Profitable"

Who is right, the Democrats or the Republicans? In Chicago, I heard the American family farm was disappearing. In San Francisco, I heard it was just a healthy re-adjustment.

To sample farm conditions and opinion, I went directly from the Republican Convention to Columbus, Nebraska, the site of the National Mechanical Cornpicking Contest, October 11-12, and a real farm community.

It has been 60 years since I pitched hay in Wisconsin. I found machines do everything today. Farming is almost a "production line" operation.

The successful farmer is 100% businessman today. He faces the same problems as the big city corporation president: how to step-up output; how to hold overhead down with labor and time-saving equipment; how to improve quality of product for better prices; how to stretch his time so he can do more work in a day. These, plus his age-old battle with Nature, keep the farmer busy.

But American ingenuity on the farm and in the farm equipment factory, will keep the farm family around for a long, long time. My Nebraska visit revealed the unique products of one farm equipment manufacturer that bear this out.

H. V. Kaltenborn

A good machine shed goes a long way to protect the heavy investment in implements a farmer has to make. Morris Brockeveldt, near Rising City, showed me how a Behlen Frameless Metal Building stored all the equipment he needed to farm his 320 acres. "There are no bulky support columns to take up floor space," he explained. Behlen Buildings are heavy gauge, channel-ridged metal, forming sturdy, rigid frame arches.

"We're just as careful where we store our grain as you are where you bank your money." That's how the Allen Hanner family of Bellwood explains its preference for Behlen Grain Bins. "You can't beat them for keeping grain safe. They're heavy gauge galvanized steel, and they have extra deep corrugations for even more strength," Allen said. He has 3700 bu. of wheat stored in these two Behlen Bins, and has two more bins on order. Allen is a young farmer who hit on a farm soil moving machine a few years ago and is now manufacturing as well as farming.

"Tractor power steering is a necessity for me," said Raymond Siffring, Rising City. His son Duane turned the wheel of their Farmall Diesel 400 to show me how easy it is. Farmall power steering uses a Behlen hydraulic power unit. "I grow certified seed and this easy steering saves me time and trouble, even when I use mounted implements," he says. The Behlen unit is factory installed on Farmall 300 and 400 tractors. And it's available in Behlen Power-Steer for other makes and models of tractors.

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Farm and Feedlot

Pregnancy Disease In Ewes Explained

To the Editor: What causes the disease called "pregnancy disease" in sheep?—A. S., Waseca county, Minnesota.

Pregnancy disease in sheep is caused by improper breakdown of carbohydrates and release of certain toxic materials. This usually happens when a ewe is carrying a big lamb or twins.

Proper diet, exercise and plenty of water help prevent this. Good, green alfalfa hay and one to two pounds of grain daily during the pregnancy period help prevent pregnancy disease.

Plenty of exercise is needed too. So many sheepmen feed their ewes some distance from shelter so the ewes are forced to exercise. Plenty of clean water should be available at all times.

Easy To Get Rid Of Bees

Swarms of bees that infest walls of buildings can be easily and safely killed with either of two chemicals.

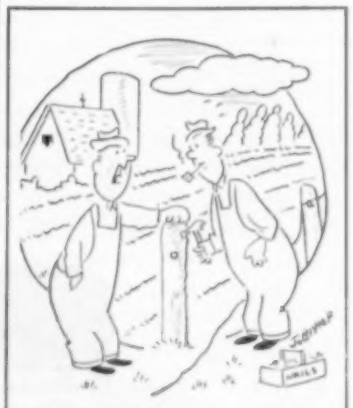
That's the advice of Robert Moorman, wildlife conservationist at Iowa State College. If you want to save the honey, use carbon tetrachloride, he suggests. This acts as a fumigant, killing the bees. But its fumes won't contaminate the honey for use as food.

Squirt the carbon tetrachloride between the studdings or whatever area is occupied by the bees.

Chlordane, a contact poison, is recommended if you don't care about saving the honey. Moorman says to apply a five percent spray or dust to the bee-infested areas. Since chlordane is a contact poison, give it two days to work.

After the chemical treatment, clean up is next—all dead bees, honey and combs. To keep bees from coming back, caulk up all cracks and holes thru which bees enter the building.

WEEDS in your soybeans? Iowa workers found that weeds decreased plant height by about two inches and delay maturity about one day.



"I'm thinking of starting up farming . . . know a nice widow with a full line of equipment?"

"But this time, Professor, he plowed up more than just a fossil."

Lime Now For '57 Seedings

Fall is the time to apply the lime that's needed for next spring's seedings.

That's the advice of W. F. Bennett, Iowa State College agronomist. Limestone should be applied at least six months ahead of seeding. Then it will have a chance to react with the soil and correct soil acidity.

Have your soil tested now, Bennett suggests. Then you'll have recommendations back in time to guide you in making lime applications this fall.

Rye Makes Fall Pastures

If you're short on fall pasture, consider seeding rye in corn stubble after you take off the silage.

In most winters, says Ralph Krenzin, Iowa State College agronomist, rye can be depended on for fall and early winter grazing. Of course, success of the seeding will depend on moisture.

Work up the corn stubble as soon as stalks are cut for silage, Krenzin suggests. Then seed Balbo rye at 1½ to two bushels per acre whenever there's enough moisture to start growth.

Under good conditions, rye should provide some pasture in about a month. But hold stock off until the rye is well-rooted.

If the rye takes hold, you'll have good early spring pasture next year too.

Timetable For Pig Operations

Often, pigs are castrated, vaccinated, weaned, wormed, and treated for lice within a few weeks. Each operation tends to slow the pigs down.

It's better to follow a definite timetable for these jobs, says Bill Pugh, University of Missouri livestock specialist. Then setbacks won't all come at once and won't be as severe.

Castration can and should be done at two weeks, Pugh advises. Castration is much easier when pigs are small. And a pig's resistance to infection is high while it's young and nursing its mother.

Vaccination can follow in two weeks. After that, weaning, treating for lice, and worming in a regular schedule.

Feeding a good creep ration before weaning helps offset the shock of weaning, Pugh reminds.

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Cooperatives for farmers

Young farmers give co-ops approving vote. Some prefer private concerns

ARE you a member of your local farm cooperative? Do you trade with it regularly? And what do you think of cooperatives in general?

The Wallace-Homestead Poll got some answers from Iowa farmers by putting the following question:

"In general, how do you feel about farm cooperatives. Check the one answer which comes closest to your idea on the subject?

"1. They are doing a wonderful job and should have the wholehearted support of all farmers.

"2. I'm for them when there is a definite need for them.

"3. They are all right, I guess. But I would rather do business with private concerns.

"4. For the most part, I don't think much of co-ops."

Farm operators voted as follows on these points:

1. Wonderful job	**40%**
2. OK if needed	**29%**
3. Prefer private concerns	**22%**
4. Don't like co-ops	**6%**
5. Undecided	**3%**

A farmer in Humboldt county, Iowa, had this comment: "Co-ops are all right if the manager and the board don't get too chummy. When there is a scarce item, the board members always seem to get it."

A Taylor county man worried over a possible threat to other firms: "I don't like to see them limit private enterprise to the point that they may destroy it."

"Co-ops will have to compete with other firms in financing feed," said a Cerro Gordo county man." People won't buy on a 30-day basis when some companies will finance feeding until marketing time."

"These cooperatives provide competition and help prices a bit." This was a Linn county farmer speaking.

"I can't belong to a co-operative," said a man in Kossuth county." My landlord owns an elevator."

A Mahaska county man had doubts: "I suppose they're all right, but if I trade with a private concern, I can quit him if I don't like him."

That happens with co-operatives too. Ask any manager.

"I do some business with co-ops," says Jeff M. Jennings of Louisa county, Iowa. "I think they're O.K."

Some farmers say that only the old-timers appreciate co-operatives, that young fellows haven't gone thru the hard times and don't realize how useful co-ops can be.

Actually young farmers, aged 20-34, voted 52 percent that co-ops were "doing a wonderful job" while older farmers only gave 36 percent approval to co-operatives on the same point.

One young fellow in Webster county said he could take them or leave them: "A private elevator is close to me, so I use it. But I have dealt with co-ops, and I think they're fair."

A Louisa county man urged: "I'd like to see a co-op elevator near me. These local elevators need competition."

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"...not a single case of Hog Cholera"

reports **MALCOLM SETTLES**
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"The use of ROVAC came naturally on the strength of my past experience with *Lederle* products and I relied completely on the information in the *Lederle* literature.

"The ease with which we can use ROVAC combined with its dependable action gives me what I want in a disease preventive.

"Last spring I vaccinated 165 pigs, and last fall used it on *all* my stock, then assisted a neighbor in vaccinating his pigs. *In all this we did not have a single case of hog cholera*".

Full name of product is ROVAC® HOG CHOLERA VACCINE (Modified Live Virus)—Rabbit Origin—Vacuum-Dried. U.S. Pat. No. 2,518,978.

Thousands of farmers like Malcolm Settles use ROVAC regularly and depend on the solid immunity it provides. Available from your veterinarian, druggist or feed dealer. Write for free literature.

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Mr. Settles is also a milk producer and he says, "Last fall I had a cow come down with mastitis. I used *Lederle's* TARGOT and within two days the quarter cleared up entirely. Not long ago we were having trouble with our dairy herd... production was down, milking stubborn and we had been down-graded twice. After using TARGOT the trouble cleared up right away, production improved and our bacteria count is down to 3,000 which means we are back on Grade A milk. Now, anytime there is evidence of mastitis it's TARGOT right away."

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Malcolm Settles is an expert hog farmer who pursues his profession in the most modern and scientific manner. He knows each pig by sight . . . their pens are clean and sanitary. The brooders and farrowing pens resemble a hospital more than swine quarters. Mr. Settles has made a great success of his business, evidence of which is the fact that his sows are consistently in the 10-pig class.

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"The De Laval machines have eliminated our hand milking of 50 cows which our previous machines couldn't milk."

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"We have been able to save time and labor plus produce higher quality milk with our De Laval Combine System."

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5 SAVES TIME
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DE LAVAL PACIFIC CO. 201 E. Millbrae Ave., Millbrae, Calif.

First customer to buy eggs from new egg display case in Mason City grocery was Mrs. M. T. Corvin, Rockwell, Iowa. Helping her select eggs is store owner Sude Naifeh.

Boost retail egg sales

Model egg display case is being used in retail egg sales study

GETTING more eggs into shoppers' grocery baskets is the goal of every egg producer. And a specially designed display case is being used by a Mason City grocer to boost sales of top quality eggs.

The model display case was used the first time on August 23. It is the first of its kind in Iowa. Some retail stores in the east have used them for several years. In the last few years, about a dozen display cases have been used in Missouri and Nebraska.

The egg display case is furnished by the Midwest Feed Manufacturers Association. The poultry department of Iowa State College will make an egg marketing study in cooperation with the Cerro Gordo county Poultry and Egg Improvement Association.

Leonard Eggleton, poultry marketing specialist at Iowa State College said, "This is not an experiment. But a marketing study will be made comparing egg sales from the model case with previous egg sales. We can expect an increase of from eight to 10 percent based on past studies."

County poultry and egg improvement associations encourage egg producers to market top quality eggs. Now thru this market study, these associations may be able to boost egg sales closer to large surplus egg producing areas.

Local men who helped set up egg marketing study are Gay Holm, president of the county poultry and egg improvement association, Naifeh and Dick Franklin, county extension director.

39% more egg laying energy in Pillsbury's *new* Maxi-Lay Feeds

Another Pillsbury Feed Bonu$

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Standard laying feeds are outdated! Why feed that old-fashioned mash to modern, high production layers? Here's the feed that'll get *out* of your birds all the egg production that good breeding put *in* them. It's Pillsbury's new line called Maxi-Lay.

Maxi-Lay brings you the laying energy, balanced with higher protein, increased vitamins and minerals that today's laying breeds demand.

*High Calorie/Protein—the perfect balance.

You get this 4-way feed bonu$ in Maxi-Lay

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3. **TWICE THE VITAMIN POWER!** Combines with Pillsbury's exclusive MYCINS antibiotics to promote vigorous good health for efficient egg production.
4. **IMPROVED MINERAL BALANCE!** Helps maintain body mineral reserves through heavy production period . . . improves egg quality, shell texture.

Simply choose the Pillsbury Maxi-Lay that's right for you

You name your favorite feeding method: mash-and-grain, or a complete ration program. Then check your Pillsbury Feed Dealer for the Maxi-Lay Feed *right for you*. It'll sure pay.

PILLSBURY MAXI-LAY CONCENTRATE—for mixing with your home grains.

PILLSBURY MAXI-LAY MASH—for feeding 50-50 with grains.

PILLSBURY MAXI-LAYERATION—the complete, one-trip ration. All grains, protein and minerals are already mixed (balanced just right)—in the bag.

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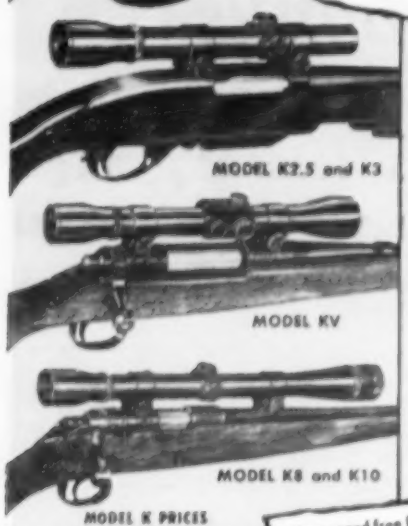

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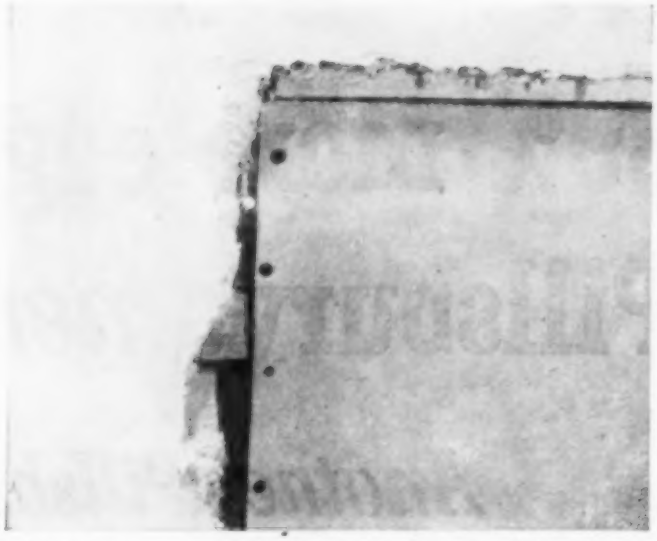

Fill the opening with some type of plaster board material. Make the opening large enough so you can nail to the studding for solid support

How to replaster banged-up walls

Next time you patch a hole in the wall, try these handy suggestions

Wet the surface before applying the first coat of plaster. Keep the plaster below the surface of the wall so more coats can be applied. Many people try to do the whole job in one operation with one coat of plaster. You can't get a smooth job that way.

Rough surface makes a better base for the next coat of plaster. A whisk broom is handy for that purpose. Let first coat dry thoroly before applying the second. For the smoothest kind of job, three coats are used.

Model 3104—½ ton, 78⅛" box. All models feature High-Level ventilation, concealed Safety Steps.

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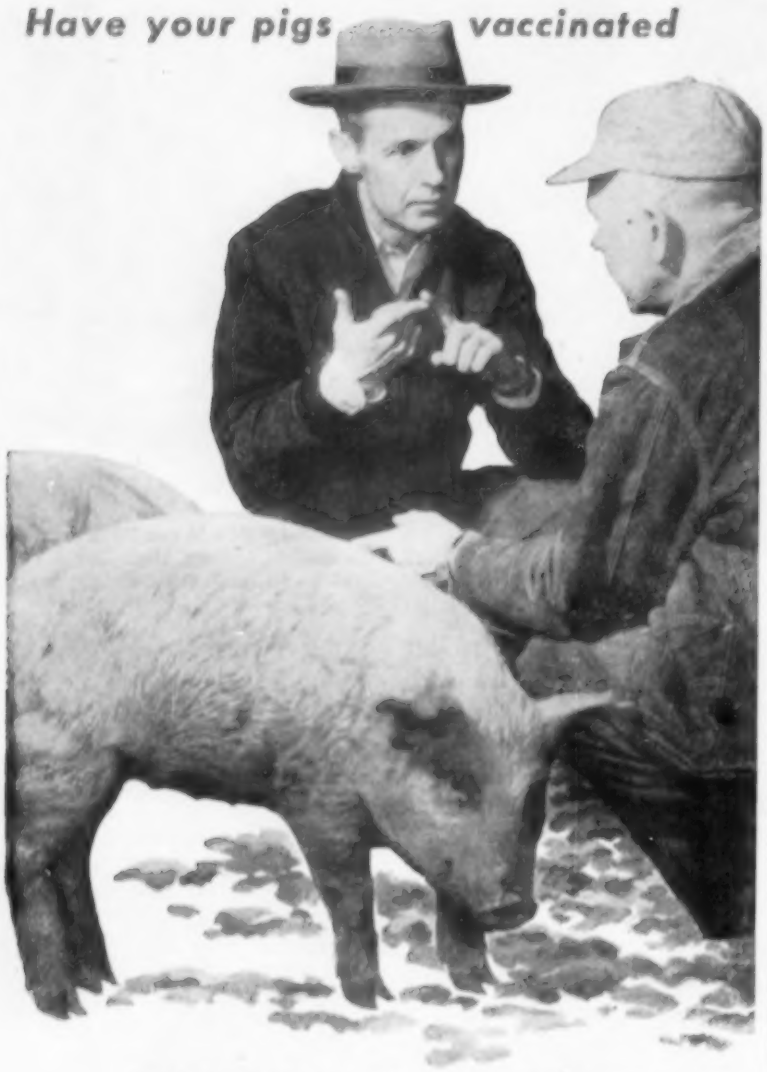
Model 3204—½ ton, 90" box. Notice the clean, uncluttered lines of Chevrolet's way-ahead *Work Styling!*

Model 3804—1 ton, 108¼" box. Extra cargo space for long, bulky loads. 4-speed transmission standard.

You can't afford to risk hog cholera

Have your pigs vaccinated



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Successfully used over the past 5 years on many millions of swine, under all possible field conditions.

Consult your veterinarian
— he knows best what's best

*"M·L·V" is the trade mark for Fort Dodge brand Hog Cholera Vaccine—Modified Live Virus. Fort Dodge Laboratories, Inc., Fort Dodge, Iowa

Handling the steering wheel of a farm tractor for eight or 10 hours a day is no easy job. Anything to ease the work is welcome. So power steering is getting more popular. Shown is Art Hudachek, Washington county, Iowa.

Power steering for tractors

Ten hours on a tractor is hard work. But power steering can ease the job

POWER STEERING for tractors is here to stay.

Just ask anyone who has put in a 10-hour day plowing stalk ground or disking bromegrass sod. You'll get some good reasons for putting power steering on a tractor.

Comfort and convenience of the operator become a pretty big item by the end of a long day in the field.

So like other comfort items—easy riding seats, umbrellas, or winter heaters—power steering is often worth the money. In fact, it's becoming standard equipment on some of the larger tractors.

Heavier front end loading makes a tractor harder to steer.

Front-mounted equipment often makes this a real problem when you use muscle power alone.

With power steering, muscle power still turns the steering wheel. But turning the wheel controls a valve instead of operating the steering gear and turning the front wheels. The valve controls a hydraulic cylinder which lets engine power do the work for you.

Of course, power steering systems let you steer the tractor manually if the power fails. With factory systems, the effort for mechanical steering is no greater than for a comparable tractor without power steering.

You don't have to buy a new tractor to get power steering.

Many implement dealers sell package kits for putting power steering on older tractors. Chances are you'll find some differences between the package kit and the power steering installed on a new tractor, tho.

The "kit" type of power steering usually works by putting extra power on the steering wheel shaft. This helps turn the gears which turn the wheels.

This still uses the existing steering gears. And may load the gears more heavily than you could with muscle power alone. So you might expect more steering gear repairs in the long run.

The factory type power steering unit carries the extra loading itself. This tends to increase steering gear life and to cut repair expense.

Fast steering at low speeds calls for extra power for turning the wheels. Some "kit" type units deliver full power only when the engine is running fast. Slowing the motor means cutting the power boost on these units. But the regular factory unit for your tractor provides plenty of boost—even at low engine speeds.

Once a tractor user tries power steering, he's likely to stick with it. And as more folks buy new tractors factory-equipped with power steering, the cost is due to drop some more. That, too, should help bring a still wider use.

DURING below freezing weather, automatic electrically heated waterers increased hog gains over twice-a-day open trough watering. There seemed no advantage in heating water above minimum temperature needed to prevent freezing. In fact, keeping water at 65 degrees F. instead of 45 degrees required three times as much electricity. Insulated waterers needed only half as much electricity as uninsulated waterers. Covered waterers gave a similar advantage over uncovered.

NOW SUPER-CHARGED Occo BEEF SUPPLEMENT

Slashes Protein Costs

Occo Beef Supplement is Super-Charged with nature's own resource to give you the lowest cost scientist approved feeding program yet.

This exciting new product created by the Occo scientific staff slashes your protein costs right to the minimum — and you know how much this can mean to you in extra feed profits. Occo Beef Supplement is Super-Charged with Amino Acid balanced protein from vegetable and ocean sources. It is Super Charged with all the minerals including vital trace elements. Occo Beef Supplement is Super-Charged with live cell yeast culture to make sure that cattle get full value from feed. Yes, Occo Beef Supplement is Super-Charged to make you more beef profits.

Now that pastures are hardening and cattle are running in corn stalks, and ready for winter feed lot, they need Occo Beef Supplement for Super-Charged Beef Profits. Feed Occo Beef Supplements with or without Diethylstilbestrol. Your Occo Serviceman can tell you which supplement is best for you.

We know that you'll have lots of questions about this wonderful, farm tested product. Your Occo Serviceman can answer these for you and give you complete information. Ask him next time you see or phone him to stop by . . . there's probably one very close to you.

Occo

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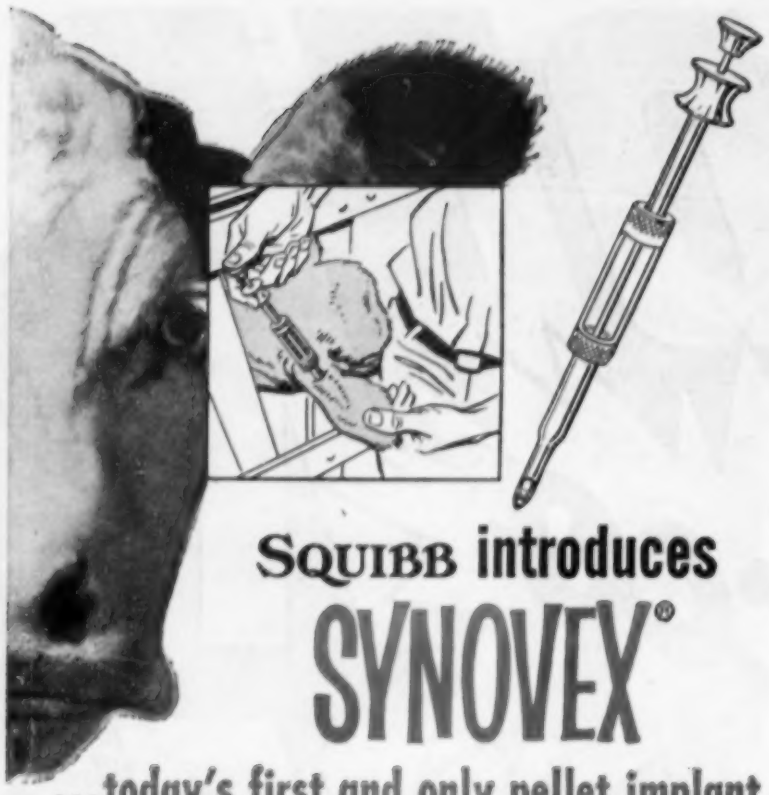

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higher feed efficiency
lower cost per lb. of gain

SQUIBB IS PLEASED TO INTRODUCE SYNOVEX, a new type of pellet implant never before offered America's cattlemen. Synovex contains two *natural* hormones, Progesterone and Estradiol Benzoate, both of remarkable potency in stimulating outstanding weight gains in steers. *Recent tests on 60,000 cattle under commercial feed lot conditions prove conclusively that Synovex gives you higher weight gains at lower cost per pound of gain than any other hormone weight-stimulation product now available!*

1. Insert cartridge in shank of implanter.

SYNOVEX IS EASY TO USE. Special plastic cartridge containing one implant (six pellets) of Synovex fits into shank of implanter, special implanter inserts Synovex between skin and cartilage of ear in single operation. Scalpel-type knife makes quick, clean incision. Synovex is recommended for animals weighing from 400 to 1000 lbs., for use during last 60-150 days of finishing. Synovex goes to work in *minutes* after implant, remains effective for as long as 150-day period, and boosts weight gains at an average of ½ lb. per day *extra* over controls receiving identical ration.

2. Clean site of incision.

Other advantages of synovex:

- made from natural, not synthetic, hormones.
- no significant effect on carcass quality.
- higher proportion of lean — less separable fat.
- selected animals can be treated without need for separate feeding programs or separate feed storage facilities.

3. Make incision with special knife.

TEST-PROVE SYNOVEX FOR YOURSELF!

Here's all you do: divide your feed lot herd in half. Implant Lot A with Synovex, start finishing Lot B in your usual manner, feeding both identical ration. At the end of 30 to 60 days, compare — check for weight.

When you see what a difference Synovex makes, pound for pound, dollar for dollar, you'll want to implant *all* your steers with Synovex for the entire finishing period. You'll agree with others that Synovex is today's outstanding hormone product for adding *extra pounds of solid beef at less cost per lb. of gain!*

4. Insert implanter.

Synovex is available through your veterinarian or druggist in 10-implant and 100-implant packages. Be sure to test Synovex for yourself! Take advantage of this new SQUIBB product developed exclusively for steers!

For information, contact:
SQUIBB, *Veterinary Products Department,*
745 Fifth Avenue, New York 22, N. Y.

SYNOVEX is a registered Squibb trademark.

SQUIBB QUALITY
—THE PRICELESS INGREDIENT

Find total cost of drying corn

Four to five cents per bushel is minimum when all costs are added

WHAT is the total cost per bushel of drying corn mechanically? Total costs include power, fuel, depreciation on investment, and labor.

Cost depends, of course, on whether you use heated or unheated air; how much moisture you take out of the corn; and on how much corn you dry annually—how fully you use the equipment.

According to Iowa State College reports, total cost of drying ear corn with unheated air from 30 down to 13 percent moisture will be 5.2 cents per bushel if you dry 10,000 bushels. And 6.2 cents if you dry only 2,000 bushels.

Drying ear corn with heated air from 30 to 13 percent moisture will cost 12 cents per bushel if you dry 10,000 bushels. And 25 cents if you dry only 2,000 bushels.

Now for shelled corn, total cost from 25 to 13 percent moisture with unheated air will be 4.8 cents per bushel if you dry 10,000 bushels. And 5.4 cents if you dry 2,000 bushels.

For shelled corn with heated air, cost to reduce corn from 25 to 13 percent moisture will be 9.7 cents per bushel if you dry 10,000 bushels. And 30.7 cents per bushel if you dry only 2,000 bushels.

Table at the bottom of this page shows costs from two moisture levels, with heated and unheated air, and for drying amounts of corn from 2,000 to 10,000 bushels. In the table, you can probably find about what the cost would be for drying corn with your particular type of farm operation.

How were these costs arrived at? Here is the method as described in Farm Science, Iowa State College publication.

First it was assumed that the farmer already had storage units that could be adapted to drying equipment. So costs do not include anything for cribs or bins.

In the case of ear corn, costs were based on fixing a double corn crib for use of dryers. Reinforced paper was used to stop air escape. The driveway became the air chamber.

In the case of shelled corn, costs of drying with unheated air were based on four foot depth of corn. Greater depths of corn require more power and costs would increase.

Then electricity was figured at 2.6 cents per kilowatt hour. Fuel oil at 14.3 cents per gallon. Labor at $1.25 per hour.

For machinery costs, annual depreciation was figured at 10 percent of original purchase price. To cover miscellaneous costs such as taxes, insurance and repairs, an additional charge of 4.5 percent of the cost of drying equipment was added.

Where heated air was used, costs were based on use of a direct-fired, oil-burning dryer.

Several questions arise after a study of the variable costs of drying corn as shown in the table. For example:

Why does the cost go so high for drying small amounts of corn with heated air? Is there a way to reduce this cost?

The first cost of a dryer for heated air is much higher than for the fan assembly which is all that's required for unheated air. This cost must be spread over the smaller amount of corn.

So it's obvious that the farmer with only a few thousand bushels of corn to dry can't afford to buy a dryer using heated air. But two or three farmers can afford to own such a unit if that's the kind they want.

One heated air corn dryer can

(Continued on next page)

Approximate costs per bushel of mechanically drying corn down to 13 percent moisture

	Amount of corn dried annually, bushels				
	2,000	4,000	6,000	8,000	10,000
Ear corn with unheated air:					
30% initial moisture	6.2	5.6	4.9	5.2	5.2
25% initial moisture	5.4	5.0	4.3	4.6	4.6
Ear corn with heated air:					
30% initial moisture	25.0	17.8	14.6	12.9	12.0
25% initial moisture	22.2	15.7	12.6	10.8	9.9
20% initial moisture	19.3	13.6	10.4	8.6	7.7
Shelled corn with unheated air:					
25% initial moisture	5.4	5.2	4.9	4.6	4.8
20% initial moisture	5.0	4.9	4.6	4.3	4.4
Shelled corn with heated air:					
25% initial moisture	30.7	17.6	13.2	11.0	9.7
20% initial moisture	29.4	16.2	11.8	9.6	8.2

Drying costs per bushel of corn are shown above when all costs are considered, including power, fuel, depreciation of machinery and labor. They're from Iowa State College tests reported in Farm Science, an Iowa State College publication.

What advantage in drying corn?

(Continued from previous page)

be used by several farmers because it does the job quickly. That isn't true, of course, with dryers that use unheated air.

If no partnership deal is possible for a heated air dryer, custom operations are often available. For small quantities of corn, the custom charge will be less than ownership costs.

Is it necessary to dry corn down to 13 percent moisture? Can't costs be saved by stopping the drying process sooner?

For shelled corn storage, around 13 percent moisture is not too low for safety from spoilage. Maximum for sealing shelled corn is 13.5 percent moisture.

But ear corn need not be dried to 13 percent moisture. Drying could be stopped at 15 or 16 percent moisture and then allow nature to finish the job. This would make some cost saving in drying ear corn. Savings can also be made by letting corn dry to 25 percent moisture in the field.

What are the advantages in using heated air dryers? In using unheated air dryers?

With heated air, the job is done in much less time. Weather does not interfere with the operation of heated air dryers. Very damp weather may make it impossible at times to dry corn without heat.

With unheated air the cost is lower, as you can see in the table. Capital investment at the start is smaller. And operation of the equipment is simpler.

What are the advantages of drying corn with any kind of drying unit?

Returns from drying corn artificially can come from several sources.

Earlier picking is possible if you have a dryer. You can pick the corn before stalks fall over or ears fall off. Every corn grower knows that there is a constant loss from lodging and ear-dropping as long as corn stays in the field.

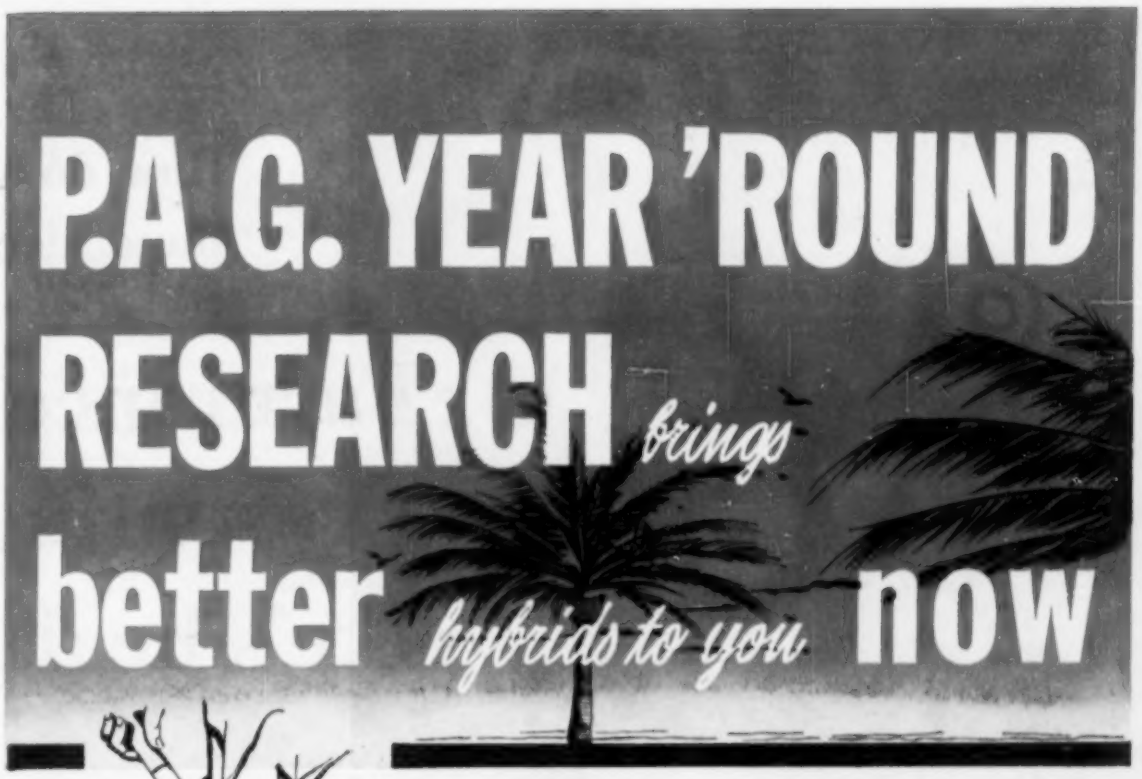
In wet corn years such as we had in 1950 and 1951, dryers might save a lot of corn that would otherwise spoil.

Or dryers can be used to make corn that will grade at the elevator. This is important for farmers who want to sell corn in the winter. Dryers make it possible to have new corn grade number 2 as far as moisture content is concerned.

Dryers make it possible to seal corn for government loans that otherwise couldn't be sealed. That might mean 25 cents per bushel or more. No corn is sealed above 20.5 percent moisture, and in case of wide cribs, it must be even drier.

Every farmer will have to weigh these possible advantages against the cost of drying corn as shown in the table.

THE RETAIL GROCER receives about 2.9 cents per loaf of bread for his services.



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...by an average of 9.8 more bushels of No. 2 shelled corn per acre.

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General Offices, **AURORA, ILLINOIS**

Eisenhower man, John Barkela of Franklin county, Iowa. For this farmer, the issues of the campaign add up to G.O.P.

How do you feel about these election issues?

Farm income
Preventing war
Ike's health

WHAT are the big issues in this year's presidential campaign? And how do farm people look at them?

The Wallace-Homestead Poll finds three issues that most farmers put high on their lists. These three are:

1. Raising farm income
2. Keeping U. S. out of war
3. Eisenhower's health

To get farm thinking on the first issue, the following question was put to a representative cross-section of Iowa farm people:

"Which party, the Republican or Democratic,

"I RECOMMEND MURPHY'S VIG-O-RAY TO MY POULTRY CUSTOMERS, AND HERE'S WHY"

says Ira Beachler
Ira Beachler & Sons at Reynolds

"To get the poultry feed business and keep it, I've got to recommend a feed that not only holds down cash outlay but keeps flocks healthy and really steps up production. That's what farmers want and that's what I give them with MURPHY'S VIG-O-RAY CONCENTRATE. A poultry raiser who has home grown grains lays out only about ¼¢ per bird per day for VIG-O-RAY. And for that ¼¢ his birds get the proteins, minerals and vitamins lacking in farm feeds—plus—and this is a big, low-cost plus—plus extra high levels of the right kinds of antibiotics. ¼¢ per bird per day! And no need to spend money for extra antibiotics, vitamins or other ingredients. They're all there in the right way in every bag of MURPHY'S VIG-O-RAY.

"And talk about production—that's where the profit is and MURPHY'S VIG-O-RAY feeders really get it. If any of your neighbors feed VIG-O-RAY, just ask them about high production. If your birds are bred to lay, MURPHY'S VIG-O-RAY CONCENTRATE plus your own farm grains will help them roll out eggs the year 'round.

"So if you're trying to keep your feed bills down, your production high, and your flocks healthy, use VIG-O-RAY this year."

MURPHY

PRODUCTS CO. • BURLINGTON, WISCONSIN

do you think is likely to do the better job in helping to raise farm income?"

Farm people answered:

1. Republicans better	**12%**
2. Democrats better	**42**
3. No difference	**24**
4. Undecided	**22**

Democrats had the advantage here, but almost half of those interviewed could see no difference between the parties or were undecided.

Men and women voted alike on this question. Old and young people lined up about the same except that young men gave the Democrats a five to one preference over the Republicans on the farm issue.

"I heard Benson at Eldora," said a Humboldt county, Iowa farmer. "And I think he's as sincere and honest a man as they have in the cabinet. He's trying to help the farmer."

An older farmer in Taylor county had a different idea. "We'd never have owned this place if it hadn't been for Roosevelt," he declared. "I'll vote Democratic."

A discouraged man in Poweshiek county said: "I don't think either party cares too much how the farmers get along."

What about the war issue? The Wallace-Homestead Poll asked this question:

"Which party, the Republican or Democratic, do you think is likely to do the better job in preventing another war?"

Men and women answered like this:

A WALLACE-HOMESTEAD POLL

	Men	Women	Total
1. Republicans	**46%**	**34%**	**40%**
2. Democrats	**8**	**6**	**7**
3. No difference	**37**	**34**	**35**
4. Undecided	**9**	**26**	**18**

"We'll have war if the Democrats get in power," said a farmer in Lucas county. "Seems like we always do."

A woman in Decatur county declared: "World conditions, not the party in power, cause war. Both parties have voted for war whenever we had one."

A young farmer in Shelby county said: "I don't think there's much difference between the parties, but I have to admit that Eisenhower ended the Korean war."

To find out how farmers rated the two issues, the Poll asked:

"Farm income and prevention of war are two things being talked about in this campaign. Which of the two are you likely to think more about as you pick your presidential candidate?"

Farm people answered as follows:

1. Farm income	**24%**
2. Prevention of war	**55**
3. Undecided	**21**

It looks as if the peace and war issue might dominate the election this year too. But one woman in Polk county raised some doubts. She said:

"Oh, farm income is the most important," and then paused to add, "but I suppose I should say 'prevention of war'."

The Poll found that of the folks who said Democrats would raise farm income 54 percent were voting for Stevenson and 25 percent for Eisenhower.

Of those who said, Republicans would do the better job in preventing war, 86 percent were for Eisenhower.

Another issue has come up that didn't exist in 1952. The Poll found that 46 percent thought Ike a full-time president and 34 percent thought him a part-time president.

Of those who thought Ike a part-time president, 51 percent were for Stevenson. Of those who thought Ike a full-time president, 78 percent were for Eisenhower.

In summary, if a farmer thinks Ike is a part-time president, believes the Democrats will do a better job in raising farm income and regards the parties equal in preventing war, he is likely to vote for Stevenson.

If a farmer thinks Ike is a full-time president, thinks the Republicans will do better in preventing war, and sees no difference between parties on farm income, he is likely to vote for Ike.

The Wallace-Homestead Poll will report in its next issue on an Eisenhower-Stevenson poll taken in September after the two conventions. Figures in this article are based on a poll taken before the conventions.

"MY CUSTOMERS ARE PRODUCING 100 LBS. OF PORK FOR A CASH OUTLAY OF ONLY $1.75,"

says Jim Norton
Norton Elevator at
DeWitt

"My customers make the most profit if they can keep their feed costs low and build pork fast. About 5 bushels of corn and $1.75 worth of MURPHY'S CUT-COST CONCENTRATE put 100 lbs. of pork on fattening hogs.

"Most of my MURPHY feeders market their hogs at 200 to 220 lbs. in 5 to 5½ months. Honestly, when I see the cost figures and the healthy hogs my MURPHY feeders have, I'm doubly convinced that MURPHY'S is the cheapest and fastest way to raise hogs. So if you want fast and cheap gains, just feed MURPHY'S CUT-COST CONCENTRATE and your own farm grain. No extras are needed. The important proteins, minerals, vitamins and antibiotics hogs need to make those fast, cheap gains are all there in every bag of MURPHY'S. So if you live anywhere in my trading area, stop in, because I'd really like a chance to show you what MURPHY'S CUT-COST CONCENTRATE can do for you."

Wherever you live, it will pay you to see *your* MURPHY dealer. You'll find him always ready to help you work out better rations using your own farm grains.

CUT-COST

WEED CONTROL chemicals can really pay off in corn. Missouri tests showed a check yield of 47 bushels. Post emergence spraying added six bushels per acre to the yield. Pre-emergence spraying added still more—14 bushels—to the check yield.

UNSPRAYED corn plants in Missouri tests produced 1,176 pounds of dry weeds per acre at harvest time. Post emergency spray cut that to 550 pounds of dry weeds. Only 210 pounds were found in the pre-emergence sprayed plots.

IN 1952, an average wage-earner had to work 51 hours to buy a month's groceries. Now, he buys the same items for 41 hours of work.

LIGHTNING is blamed for more than 6,000 forest fires in western states each year.

LATEST development in fishing lures seems almost unfair to fish. The Armour Research Foundation has developed a lure which is wound up like a child's toy and then released into the water. The unwinding spring moves the tail fin much like a nervous minnow.

GROWING tomatoes for market is neither easy nor cheap. Cornell University economists found that growers invested about $270 per acre. Of this, $166 went for production and $104 for harvesting.

LOOK FOR lower cost mushrooms in the future. A ton of dried sawdust sprinkled with oatmeal has produced 500 pounds of mushrooms in 11 days. And larger yields are still possible. That's according to a Florida chemical engineer.

JONADEL is the name of a new apple variety you'll be hearing about one of these times. It was developed by crossing Jonathan and Delicious varieties. Crossing, growing and testing has taken 30 years—and testing isn't over yet.

DELACON is a new apple variety being tested at the Iowa agricultural experiment Station. It seems to be a dwarf that needs no dwarfing stock grafted into the stem.

THROW-AWAY paper clothing for hospital gowns, laboratory coats and industrial coveralls is being tested by a large paper company.

MEAL made from poultry feathers contains about 86 percent protein. It seems to work well in broiler rations.

DYNAFAC is the trade name for a new feed additive just released by Armour and Company. Technically, it is trimethylalklammonium stearate. The company claims it steps up growth rate of pigs 10 to 15 percent. The material works by limiting the growth of undesirable bacteria and fungi, the company says.

PAY TO store grain on your farm? Here are figures for the 1948-53 period: Average seasonal price rise for oats and wheat was 12 to 13 cents a bushel—less than the cost of storage. Average for corn shows that holding until January paid better than holding until the next September. For soybeans, average seasonal price rise was more than twice the storage costs.

CORN in all areas of the state requires a relatively constant number of days from silking to maturity. The variation comes between planting and silking.

IN ONE TEST, second-year corn silked six to eight days later than first year corn. This was in a corn-corn-oats-meadow rotation. Fertilizer applications at this location hurried silking by as much as eight days.

TIMBER PRODUCTS account for about one-fourth of the raw materials used in manufacturing and building.

TOO MUCH FAT on your hogs means smaller litters. And it doesn't matter whether the excess fat is due to breeding or over-feeding.

FORTUNATELY for hog raisers, both backfat thickness and body length are highly heritable. So, to get a longer carcass with less backfat, just pick sires and dams that have these desirable characteristics.

"Get any rain out your way, Lem?"

6-WAY PROTECTION

for your expensive farm equipment!

1. **No Alcohol!** No fires. No harm to your car's finish if spilled.
2. **No Poisonous Fumes!** (Remember, alcohol type anti-freeze is toxic under certain conditions.)
3. **No Freeze-up,** boil-away or foam-off. One shot of "Prestone" brand anti-freeze lasts all winter.
4. **Protection Against Rust and Corrosion** for *all seven metals* commonly used in cooling system.
5. **Exclusive Polar Film Inhibitor** protects against rubber-hose decay and radiator clogging.

*6. **The "Prestone" Anti-Freeze Guarantee. Ask your dealer to show it to you.**

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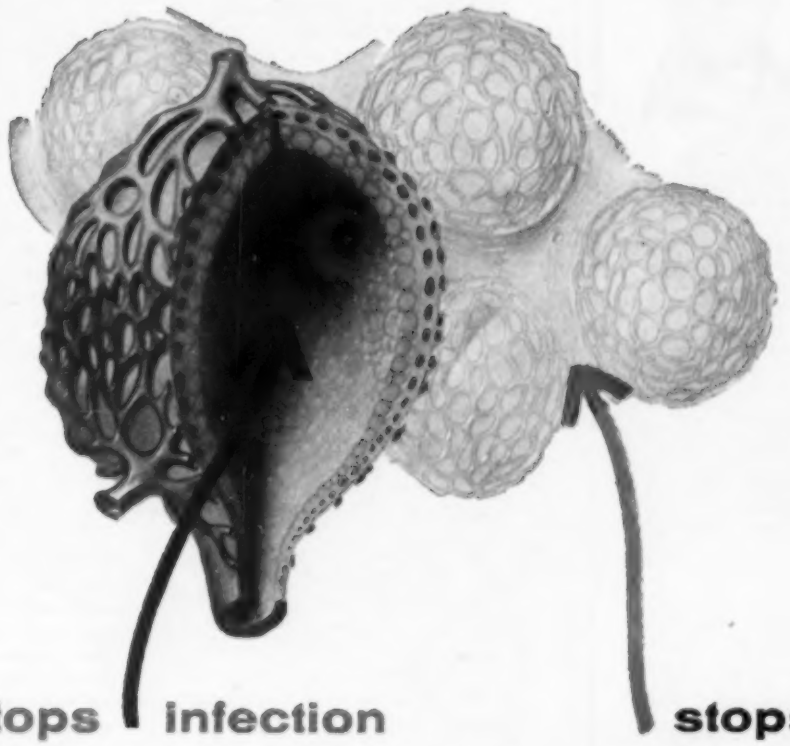

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stops infection

CORBIOT attacks infection inside the alveolus, where the milk is made. There are thousands of these tiny glands throughout the udder. To reach infection inside each alveolus, a mastitis remedy must:

1. be able to mix with the milk;
2. have strong germ-killing action;
3. be gentle to these sensitive tissues;
4. be able to attack *any* of the germs usually found in mastitis.

Corbiot meets all these specifications —and more!!!

This combination of *3* antibiotics (neomycin, polymyxin, and penicillin) *with hydrocortisone* in the special milk-miscible suspension offers a new way to protect milk production when mastitis strikes.

stops inflammation

CORBIOT lessens inflammation by the action of HYDROCORTISONE on the tissue between the alveoli. Hydrocortisone is the most powerful of the natural anti-inflammatory hormones.

When the udder tissue is inflamed by the presence of mastitis, there is interference with the flow of blood through the small blood vessels to each alveolus. Thus, the raw materials of which milk is formed do not reach the alveoli in normal amounts, and milk production tends to fall off.

The hydrocortisone in CORBIOT acts to relieve this inflammation and thereby helps to preserve milk flow. Also, by relieving inflammation, CORBIOT helps prevent the formation of scar tissue, which is the cause of the knots and lumps found in permanently damaged quarters.

*Corbiot is the **first** mastitis product combining* **hydrocortisone** *and* **triple antibiotics** *to stop **both** the infection and inflammation of mastitis.*

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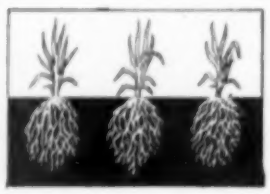
"Successful farmers agree *that fall application of nitrogen on small grains can increase profit."*

Why it pays to apply nitrogen in the fall on small grains:

Apply Agricultural Ammonia on your fall-seeded grains this fall. It can be like money in the bank, for this 82% nitrogen clings to soil particles and *stays put*—it will be there next spring to start paying dividends of increased profits per acre.

You'll get bonus grazing, too. Nitrogen applied in the fall stimulates growth for earlier and longer grazing. Protein content will be increased, too, so that your animals will put on firm, profitable flesh faster—at less cost per pound.

Because Agricultural Ammonia is knifed 6 to 8 inches into the soil, young roots are coaxed down deeper. This means an earlier sturdiness that makes the plants more resistant to winter kill—more resistant to temporary spring drought.



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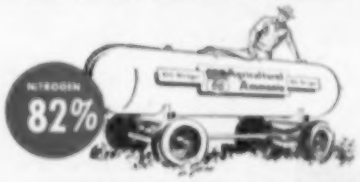

Apply Phillips 66 Agricultural Ammonia by injection or by metering into irrigation water

PHILLIPS CHEMICAL COMPANY
A Subsidiary of Phillips Petroleum Company, Bartlesville, Oklahoma

Off-farm work this winter?

Some jobs available. But don't be too "choosey." Start looking now

WANT an off-farm job this winter? Lots of farmers are toying with the idea.

It's one way to bolster income thru a drouth and cost-price squeeze. Or to boost income for the man on a small farm.

What are the off-farm job prospects for this winter in Iowa? Where can you go to get a job?

Those questions, of course, can't be answered with one sentence. Situations vary from one community to another. But George Moore, director of the Iowa State Employment Service, offers these pointers:

The job situation in most of Iowa's cities and larger towns appears to be fairly stable, Moore says. No big labor force expansions are in view during the next few months.

So there's no single place to which farmers can flock with assurance of getting a job.

But no marked drop in employment is anticipated across Iowa. So some demand for labor replacements is expected. And some industries—meat packing, for example—probably will show a normal, seasonal increase in demand for labor during late fall and early winter.

So there are jobs to be picked up. You may learn of some of them thru local contacts. But unless you have something specific in mind, your best bet is to contact the district employment service office in your area. There are 35 of them scattered across Iowa.

The employment service also sends a representative to your county seat town at least once every two weeks. He'll be able to advise you as to the job possibilities in the area.

Because more than the usual number of farmers are expected to seek off-farm jobs this winter, Moore makes these suggestions:

1. If you want off-farm work thru the winter, start making contacts now. Don't wait until after corn harvest to start looking for a job.

2. Don't be too "choosey" in picking a job. There won't be enough job openings to justify much picking and choosing.

Some firms regularly count on employing some seasonal labor. But there are others that prefer to hire men who'll stay on the job.

Allen Nicholls and his brother, Dale, of Warren county, Iowa, learned that last winter.

"We tried some of those plants around Des Moines," Allen says. "But they weren't interested in us when they found out that we would quit to farm in the spring."

So the Nicholls brothers took jobs with a taxi cab firm in Des Moines. And they drove cabs from mid-afternoon to midnight, December thru March.

"We didn't make big money," Allen admits. "But it helped take care of groceries and family expenses." The Nicholls brothers operate 585 acres—primarily a grain farming operation.

On the other hand, the farmer who's looking for off-farm work has some advantages. Employers like farm workers, Moore points out. And here are some of the reasons:

Most farmers are good workers. They're used to work. And the employer figures he'll get his money's worth when he hires a farmer.

Because of wide experience with machinery and livestock, most farmers are adaptable to different jobs. They know how to think. And they learn fast.

THE POPULATION of the north-central part of United States is six times what it was in 1850. At that time, nine of each 10 persons were classed as rural. Now, it is only four out of 10.

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CHLORTETRACYCLINE

AUROPEP* Crumbles

CHLORTETRACYCLINE

For healthier, more profitable cattle, swine, calves and sheep

If you are not already using a feed containing wonder-working AUREOMYCIN it will pay you to immediately investigate these money-making facts about new, easy-to-use AUROPEP CRUMBLES:

AUROPEP CRUMBLES have an alfalfa base and contain 2 grams of AUREOMYCIN per pound.

AUROPEP CRUMBLES can be administered to your animals *at any time by simply sprinkling on any kind of feed!*

AUROPEP CRUMBLES aid in the prevention of specific, profit-consuming diseases — and help control the invisible "sub-clinical" diseases that hold animals back.

AUROPEP CRUMBLES are unequaled for increasing growth and weight gains, and improving efficiency of feed conversion.

AUROPEP CRUMBLES help you produce healthier, faster-growing animals at lower cost; they reduce mortality and give you earlier marketing, better carcasses, animals with "better bloom," better coats, "brighter eye"— *the kind buyers prefer!*

In Cattle AUROPEP CRUMBLES mean less scouring; prevention of "sub-clinical" disease and respiratory problems; increased weight and growth gains.

In Swine AUROPEP CRUMBLES mean maintenance of growth gains in the presence of *atrophic rhinitis;* less enteritis, protection during castration, vaccination and other stress periods.

In Sheep AUROPEP CRUMBLES reduce losses due to enterotoxemia (over-eating disease); increase weight gains and improve feed efficiency.

In Calves AUROPEP CRUMBLES aid in controlling bacterial scours; increase weight gains; promote healthy vigor and feed efficiency.

Try AUROPEP CRUMBLES *today — and see for yourself!* Available from your veterinarian, druggist or feed dealer. Write for free literature. American Cyanamid Company, Animal Health Department, 30 Rockefeller Plaza, New York 20, New York.

*Trade-Mark

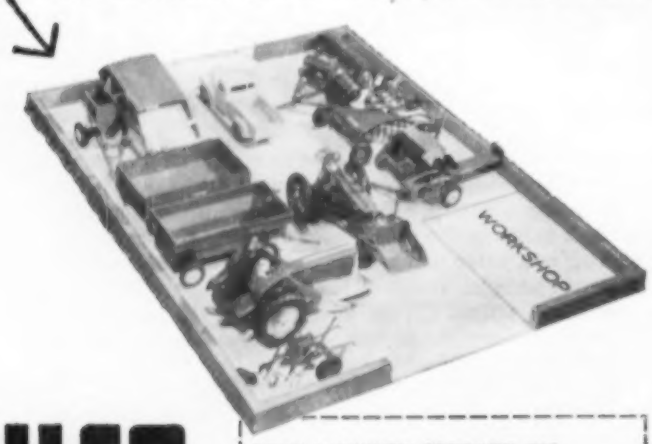
CYANAMID

TYPICAL COST
84¢*
PER SQ. FT.
METAL COVERED
All Materials Above Foundation
*Price based on first quality materials and will vary according to locality.

"I wish I had built this Rilco machine shed years ago," says Ray Knarp. Roomy, post-free interiors of Rilco utility buildings are adaptable to many uses; machine shed, grain storage, barn, hog or poultry house. Mr. Knarp also likes Rilco's ease and speed of erection. Rilco Glued Laminated Wood Rafters are pre-shaped from kiln-dried, selected Douglas Fir . . . cut to length, drilled, shipped with connection hardware for fast, easy erection. To get the space you want, at the price you want to pay . . . build Rilco.

LOOK AT ALL THE SPACE

FLOOR PLAN of typical arrangement of 44′ x 60′ Type 55 Rilco utility building. In this photograph, scale model machinery shows how much equipment a Rilco machine shed will house. You will notice space is entirely unobstructed . . . every foot is usable right up to the sidewalls. There is easy drive-through, uncrowded storage for bulky equipment, plenty of room for a big 14′ x 20′ repair shop.



RILCO
GLUED LAMINATED RAFTERS

RILCO LAMINATED PRODUCTS, INC.
2033 First Natl. Bank Bldg., St. Paul 1, Minn.
Please send information on the following farm buildings:
☐ One, Two-Story Barns ☐ Crop Storage
☐ Hog and Poultry Houses ☐ Machine Sheds
☐ If student, check for additional material.
Name
Address
Town State

Interviewers for the Wallace-Homestead Poll are farm women who make calls in their own counties. Here a group of interviewers are attending a training school in Des Moines. Donald R. Murphy, director of the Poll, at right.

Women who ask questions

Answers farmers give are basis of Wallace-Homestead Poll reports on Iowa farm opinion

HAVE you been interviewed by the Wallace-Homestead Poll? Probably not, but we'll get around to you some day.

After all, the Poll has only been interviewing Iowa farm people since 1938. Even at the rate of several thousand a year, it takes a long time to hit everybody in the state.

Of course, it isn't necessary to interview everybody, any more than it is necessary to test every kernel in a crib of corn to decide how the crib grades as a whole.

An old subscriber writes: "I have never known any one who has ever been interviewed by anyone taking a poll. I have never known anyone who has ever known of any one who was interviewed. Why should I put any credence in your reports?"

In this subscriber's county, the Poll actually interviewed 15 farm people a few weeks before he wrote us. But the interviewer didn't hit his neighborhood.

Many people, like this subscriber, wonder about polling methods. And have some doubts. That's why this article is being written.

Taking a sample of Iowa's farm population is like taking samples from a crib of corn. Be sure that you get a sample that is representative of the whole state—or the whole crib.

What we do is this: Northeastern Iowa, as you know, is the dairy section of the state. It has around 21 percent of the farms in the state.

For this reason, 21 percent of our calls are made in northeastern Iowa. The same goes for other sections, the cash grain, southern pasture, etc.

Inside the county, the interviewer picks out one point on a road outside her immediate neighborhood. Then she calls on every other farm until she has made the required number of calls.

We know how many Iowa farm people voted for Eisenhower in 1952. So the same percentage of 1952 Eisenhower voters should be visited in a political poll this fall in order to be fair.

Who does the interviewing? Farm women who work for us on a part time basis. Usually an interviewer makes calls in her own county. Sometimes she goes across a county line. Some women interviewers have worked with us for 18 years. They are good at asking questions.

This week farm women interviewers for the Wallace-Homestead Poll are calling at many Iowa farm homes. They'll be around again—but to different homes—later on this fall.

In 1952, these women interviewers found that 66 percent of the likely voters,—two weeks before election—were for Eisenhower. In the actual election, 68 percent of the farm voters were for Eisenhower.

Actually finding out how people will vote is the least important part of a political poll. Everybody will know the answer on election day anyway. What the poll can show is why folks vote as they do. For an example, turn to the article on political issues, on page 44.

Don't let it worry you if you haven't been polled. You have the same chance an ear of corn has when the corn sampler is probing around.

—Donald R. Murphy.

STOP RUST!

with

RUST-OLEUM

and match original equipment

COLORS

Not an oil, not a grease...

Tough, firm, decorative coating that contains no lead and is safe to use around livestock.

QUICK . . . EASY TO USE
Rust-Oleum Primer may be applied directly over rusted surface after scraping and wirebrushing to remove rust scale and loose rust.

READY-MIXED . . . SELF-LEVELING
It's ready-mixed, self-leveling, and leaves no brushmarks. Easily applied by brush or spray.

DRIES IN 4 TO 12 HOURS
Depending on temperature and humidity, Rust-Oleum will dry in 4-12 hours. Resists salt water, salt air, fumes, heat, moisture, sun, weathering.

Ask Your Implement Dealer for Rust-Oleum

MAIL COUPON AND 35¢ FOR TEST SAMPLE TO MATCH ORIGINAL EQUIPMENT COLORS

RUST-OLEUM CORPORATION
2651 Oakton St., Evanston, Ill.
Enclosed is 35¢ (coins or stamps) to cover postage and handling for Test Sample of Rust-Oleum in the color checked below:
ALLIS-CHALMERS ☐ Orange
CATERPILLAR ☐ Yellow
JOHN DEERE ☐ Green ☐ Yellow ☐ Red
EUCLID ☐ Green ☐ New Green
FERGUSON ☐ Gray
FLAMBEAU ☐ Red
FORD ☐ Gray ☐ Red
INTERNATIONAL ☐ Red ☐ Blue ☐ Green
MASSEY-HARRIS ☐ Straw Yellow ☐ Red ☐ Yellow
MINNEAPOLIS-MOLINE ☐ Prairie Gold ☐ Red
NEW IDEA ☐ Orange ☐ Green
OLIVER ☐ Red ☐ Orange ☐ Yellow ☐ Green
☐ Rust-Oleum color charts and complete information.
☐ Nearest source of supply.

QUIPS AND QUOTES

SOME DRIVERS are slow in learning that too much speed can slow you down forever.—Decorah Public Opinion.

SMILE OFTEN; it's an inexpensive way to improve your looks.—Schaller Herald.

WHILE HALF the population is trying to stamp out heart disease, the other half is going around saying, "Drop dead."—Neola Gazette-Reporter.

DAN McGILLICUDDY advises all June bridegrooms that the wise husbands meet a marital crisis with a firm hand—full of candy and flowers. — Gowrie News.

NOTHING makes a married woman more tired than to think of the easy job she used to have.—Ogden Reporter.

A PHILOSOPHER remarked that any country that gave Cadillac cars as booby prizes was good enough for him.—Corn Belt Lamb Feeder.

TELEVISION isn't replacing radio half as fast as it's replacing homework.—Laurens Sun.

CQFF SAYS, "CUPID makes so many bad shots because he's shooting at the heart, with one eye on the hosiery."—Walnut Bureau.

IF YOU ALWAYS keep your nose on the grindstone, you don't see much.—Kossuth County Advance.

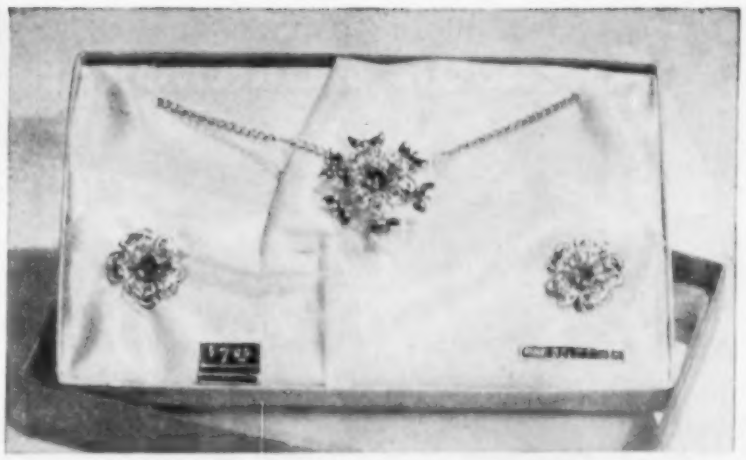
LOVE IS ONE GAME which is never called on account of darkness.—U. S. Coast Guard Magazine.

THERE ARE ONLY two ways to decide an issue, by facts or by prejudice.—Decorah Journal.

GIRLS WHO KNOW their onions marry men with plenty of lettuce and end up with plenty of carrots.—Clear Lake Mirror-Reporter.

SIGN on a house trailer going thru Lake Mills: "Room for rent; must be willing to travel". —Lake Mills Graphic.

"I'd like to turn you loose with a five percent dust on our back 40."



Free Jewelry for Trying New Laying Feeds

It's not often that you are offered a beautiful set of fine costume jewelry just for trying a new poultry feed. The set shown above would regularly retail at $7.95. It includes lovely earrings, a matching pin, and a fine chain so that the pin may also be worn as a pendant. The entire set is quality-made with a fine gold finish, all attractively boxed.

This beautiful jewelry set can be yours without cost or obligation if you will just make a 30-day trial of a new feeding method at the time you house your pullets. There are no catches to the offer. Just buy enough feed to take care of your pullets for 30 days, and the jewelry is yours, absolutely free.

PROVE THAT YOU CAN GET MORE EGGS AT LOWER COST

The feeds offered on this unusual trial basis, have probably been tested more thoroughly than any other poultry feeds ever produced. About 185,000 hens in the production flocks of Ames In-Cross, producers of hybrid chickens, have been tested with these feeds for the past year.

With such a gigantic flock, feeding experiments over a short period of time can prove results that would take years of experiment and testing with average size flocks. And what does this mean to you?

4c TO 12c MORE PROFIT PER DOZEN EGGS

Carefully conducted feeding tests made with fifteen flocks of good layers showed that birds fed Foxbilt feeds could produce a dozen eggs with a saving of from 4 to 12 cents in feed costs. For good layers, that means an extra profit of up to $2.50 per bird. Birds on Foxbilt consumed only 4.17 lbs. of feed per dozen eggs produced. Flocks on other feeds consumed from 5.01 lbs. to 7.28 lbs. of feed for each dozen eggs. And the birds on Foxbilt averaged 74.7% production, the highest of any of the feeds tested.

A DOZEN EGGS ON 4.1 LBS. OF FEED

Emil Springer of Ossian, Indiana, writes: "I have been feeding Foxbilt to my 6,000 Ames In-Cross birds from start to finish. Last year I had birds which averaged nearly 75% production for eight months. Feed conversion averaged between 4.1 and 4.26 pounds of feed per dozen eggs.

I would highly recommend the Foxbilt Poultry Feed program to large and small poultrymen alike."

TWO NEW FEEDS

The two new amazing Foxbilt Feeds that have produced these amazing results are called Poultrate "45" and Egg Magic. Both contain a complete balance of egg-making nutrients. Both contain stepped-up levels of 8 important amino acids. Poultrate "45" and Egg Magic contain no grain or grain by-products —so they will balance more of your own grain—and will take far less cash out of your pocket.

Poultrate "45" is so super-concentrated that just 100 lbs. will make up to 800 lbs. of low cost, high production laying mash. Just 125 lbs. of Poultrate "45" will take care of 100 birds in an average laying flock for over a month. Egg Magic is lower priced, and just 100 lbs. of this pre-mix will make up to 600 lbs. of top quality laying mash. With either Poultrate "45" or Egg Magic, your cash cost for pre-mix will only amount to about 12 cents per bird, per month.

If you'd like to make up to $2.50 more on each one of your laying hens — if you'd like to produce a dozen eggs with less than four and a half pounds of feed, with an out-of-pocket cost of only 12 cents a month per bird for pre-mix . . . ask your Foxbilt dealer about Poultrate "45" or Egg Magic. Or write to Foxbilt Feeds, Des Moines, Iowa, for Free literature without any obligation. Remember, the beautiful jewelry set is yours, absolutely free, if you try either of these feeds for just 30 days. (Advertisement)

4 SEASON WORKHORSE FOR Midwestern Farms!

FAMOUS LILLISTON ROTO-SPEED® rotary cutter

SHREDS STALKS
CUTS STUBBLE
MOWS PASTURES
CLEARS LAND

Time saver—money maker! All year round the Roto-Speed works all over your farm—cutting, mowing, shredding and cleaning up—leaving a valuable mulch that helps condition your soil. Kills insect breeding places, too. Massive blades do the job—powering their way through the tallest grass, the thickest stalks, the densest brush. See for yourself. Your dealer will be glad to give you a demonstration without obligation.

LILLISTON IMPLEMENT COMPANY
ALBANY, GEORGIA

DISTRIBUTED BY
PORT HURON Machinery Company
301 East Court Avenue, Des Moines, Iowa

GOOD LUCK
NEW IMPROVED WING THUMB
CHORE GLOVES

What Good Luck's new improved seamless wing thumb feature means to you...

1. GREATER COMFORT ... no thumb seam to rub
2. FULL SIZES ... better fit
3. LONGER WEAR. No thumb seam to rip out
4. UNCONDITIONALLY GUARANTEED

Be sure to ask your dealer for Daily Dubble 80 by name... it is America's best work glove value. Accept no substitute... insist on Good Luck's Daily Dubble 80 Chore Gloves with new improved wing thumb feature. They cost no more.

WEAR GOOD LUCK BRAND QUALITY GLOVES

GOOD LUCK GLOVE CO.,
General Offices: CARBONDALE, ILL.

Service bureau

Wants To Collect Full Wages

To the Editor: When we started working on this farm, the owner hired us for so much a month. He started paying so much a day a few months ago which doesn't add up to the agreed monthly pay. Can I collect the wage by the month that was agreed?—A subscriber.

You may have an action at law to recover the back wages. Because of the amount involved, it is probable that a justice of the peace would have jurisdiction. However, a suit to recover the back wages might end your employment.

The foregoing is intended to inform and not to advise. Facts may change the application of general principles here expressed. It's recommended that you see a local attorney of your own choice.

Answers to legal inquiries to the Service Bureau are prepared by the Public Information Committee of the Iowa State Bar Association as a public service.

How Draftees Are Selected

To the Editor: How does the local draft board select the boys they call to fill the quota assigned to them?—J. C., Buena Vista county, Iowa.

The selective service regulations were amended to provide the following order in which registrants may be selected from those classified as available by local boards.

1. Delinquents who have attained the age of 19 years in the order of their dates of birth with the oldest being selected first.
2. Volunteers who have not attained the age of 26 years in the sequence in which they have volunteered for induction.
3. Non-volunteers who have attained the age of 19 years and who are not 26, and who do not have a child or children with whom they maintain a bona fide family relationship in their homes, in the order of their dates of birth with the oldest being selected first.
4. Non-volunteers who are 19 but not 26 who have a child or children with whom they maintain a bona fide family relationship in their homes, in order of their birth dates with the oldest being selected first.
5. Non-volunteers who have attained age 26 years in the order of their dates of birth, with the youngest being selected first.
6. Non-volunteers who have attained the age of 18 years and six months and who have not attained the age of 19 years in the order of their dates of birth with the oldest being selected first.

Womens' S. S. Checks In November

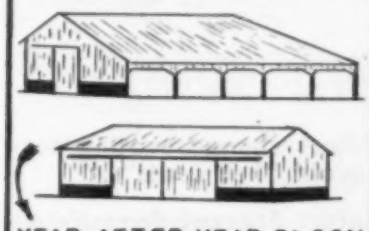
To the Editor: Recently the social security law was amended to give women benefits at age 62. When will the first checks to qualified women be received?—Mrs. J. N., Fulton county, Illinois.

Women, age 62 or over who are wives of retired workers or who have been in social security program at least a year and a half, may get benefit checks in November, 1956.

You must apply for your social security benefits. Your husband will need to go with you when you file your application for benefits. He will be required to sign one form before you can get the benefits.

PAW TUCKER—Life gets back to normal—almost

WE SPECIALIZE IN FARM BUILDINGS
=BARNS =MACHINE SHEDS
=POULTRY HOUSES
=ALL-USE BUILDINGS



YEAR AFTER YEAR BLOOM BUILDERS ERECT MORE POLE TYPE FARM BUILDINGS THAN ANY OTHER BUILDER IN IOWA!
WHY?
BECAUSE WE SATISFY OUR CUSTOMERS WITH
(1) QUICK, EFFICIENT SERVICE
(2) HIGH QUALITY BUILDINGS
(3) GOOD LOOKING BUILDINGS
(4) STATE-WIDE SERVICE
(5) PRICES THAT PLEASE
USE OUR EXPERIENCE TO SAVE YOURSELF TROUBLE & MONEY
FOR FREE INFORMATION CALL OR WRITE
BLOOM BUILDERS
Dept. 21 OSKALOOSA, IOWA

New TANKMOBILE

1957 Model. Get all the finest features of this portable air compressor *you* need for *your* farm!

take air to the job

Inflate tires . . . operate grease guns, blow guns . . . spray paints. *Trouble-free* labor saver. Write
171 Railroad Ave.
Harrison, Ohio.

CAMPBELL-HAUSFELD

KIM'S
FAST-O-MATIC
POST HOLE DIGGER

FEATURES:
Longer Auger
Stronger Frame
Easier Attaching
Faster Digging
Longer Life
Stronger Parts
Available in 6", 9", 12" Augers.
9" Digger only
$129.95
attaching kits extra
See your nearest FAST-O-MATIC Dealer for complete information, or write.
KIM MANUFACTURING COMPANY
1221 Summit Kansas City, Mo.

MAKE BIG MONEY
BE YOUR OWN BOSS!

CUSTOM GRIND FEED FOR LOCAL FARMERS

Build your own good-paying business with an IOWA PORTABLE MILL. Pays for itself quickly out of profits. One of strongest, most famous on market. CONTINENTAL RED SEAL ENGINE. Hydraulically lifted feeder. 3 Sizes.
Write today for circulars and details
IOWA PORTABLE MILL CO.
Dept. WF-25, Oelwein, Iowa

Poultry Mites Her Problem

To the Editor: How long should I leave a hen house empty to get rid of mites?—Mrs. A. E., Clarke county, Iowa.

Poultry mites may carry on in a vacant hen house for several months.

To get rid of mites, try the following: Clean the house. Scrub it thoroly with boiling lye water. Let the house dry.

Then paint all roosts, dropping boards, etc., with a solution made of one part of kerosene and three parts crude oil.

Move Before End Of Lease?

To the Editor: We have rented another farm for next year. We would like to move this fall. Can our landlord keep us on this farm to take care of his part of the livestock until March first?—D. A., Jefferson county, Iowa.

Your rights depend upon the terms of the written contract. If the contract reads March 1 to March 1, then those are probably the dates that the parties (tenant and landlord) intended to control.

A termination at an earlier date by the tenant might possibly subject him to an action for the breach of the contract provisions. On the other hand, the landlord might possibly grant a release.

The foregoing is intended to inform and not to advise. Facts may change the application of the general principles here expressed. It's recommended that you consult a local attorney of your own choice.

Answers to legal inquiries to the Service Bureau are prepared by the Public Information Committee of the Iowa State Bar Association as a public service.

Must Pay Iowa Sales Tax

To the Editor: We had the local locker plant buy a sow for butchering. The locker plant manager charged state sales tax. Did he have a right to collect the tax on this transaction?—F. V., Sac county, Iowa.

The Iowa state sales tax division states that since the locker plant bought the sow for you, it is required to charge sales tax on it. However, if you had bought the sow and had the locker plant butcher and process it, there would have been no sales tax due.

Yes, Monsanto makes brush killing SIMPLE AS 1-2-3

1. **MIXING...FAST AND EASY!** From container to spray equipment to start-up of spraying . . . it's a matter of minutes. Monsanto brush killers mix quick. You get a uniform spray solution fast. No guessing, no wondering. You know that the spray you lay down, on brush, stump and tree, has even, unvarying killing power!

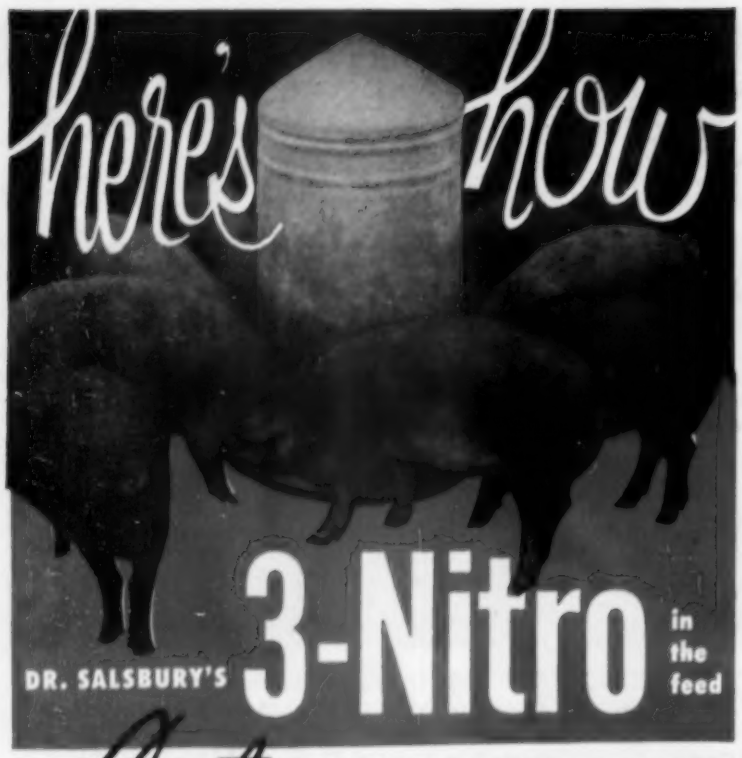
2. **SPRAYING...CLEAN AND EVEN!** No more spotty spraying from clogged nozzles. Special Monsanto anti-clog agents make the use of baking soda unnecessary in hard-water areas. You'll find you can cover ground faster, finish spraying sooner. Remember: for best spraying, use clean water.

3. **BRUSH KILLING...CERTAIN!** Special wetting agents make Monsanto brush killers cover, penetrate and kill! The directions on containers are easy to understand. Read and follow them. You'll know you've done the job right. And you can depend on the job you've done!

SEE YOUR MONSANTO DEALER... This sign identifies him in your town. He'll have Monsanto's powerful new brush and weed killers . . . the right formulation for your crop, your locality, the brush and weeds you want to kill. He'll be the first to bring you new chemical farm hands from Monsanto research and development.

OTHER MONSANTO PRODUCTS FOR THE FARM... Medo-Green to keep silage fresh, Parathion insecticides, phosphates (liquid and solid), Lion Brand ammonium nitrate, sulphate of ammonia, anhydrous ammonia. MONSANTO CHEMICAL CO., Organic Chemicals Division, St. Louis 1, Mo.

GROW MORE PROFITABLY
MONSANTO
FARM CHEMICALS



...Cuts HOG RAISING COSTS

Stimulates Growth — You get hogs to market weight up to 30 days sooner with 3-Nitro in the feed. Faster gains save time, reduce labor cost.

Saves Feed — Hogs on 3-Nitro require less corn and protein concentrate. Tests show feed savings up to 14% per 100 pounds of live weight.

Combats Disease — Feed containing 3-Nitro is a protectant against many subclinical (unseen) diseases. Helps reduce stress and provides low level protection against *bloody scours.*

Helps Runty Pigs, Too — Low level disease infection often makes pigs slow growing, unthrifty. 3-Nitro helps these runty pigs do better, become profitable.

Improves Market Value — 3-Nitro helps give hogs a sleek, uniform, finer finish for top prices.

Authoritative Proof — Tests at Hormel Institute, University of Minnesota, prove that 3-Nitro helps stimulate growth, improve feed conversion, even with Vitamin B_{12} and antibiotics in the feed.

AFTER TEST WORK AT IOWA STATE COLLEGE, THEIR ANIMAL HUSBANDRY DEPARTMENT INCLUDED 3-NITRO IN THEIR OFFICIAL PIG-FEED FORMULAS FOR PRE-STARTER, STARTER, GROWING FEEDS.

No feed ingredient costs so little and produces such great return. Ask your supplier about feed containing 3-Nitro ... or get 3-Nitro drinking water tablets for effective low cost treatment of scours (about 4c per pig). Write for 3-Nitro literature.

DR. SALSBURY'S LABORATORIES CHARLES CITY, IOWA — Dr. SALSBURY'S

home grind your own feed

at less cost... ..50% Faster!

Get guaranteed greater capacity with a Gehl Grind-All... up to 50% extra from the same power. Get more convenience features... save your time and money. The new, waist-high, 2-speed Traveling Feeder makes grinding easy, quick, almost automatic. Gehl's Wheeled Transport lets you grind anywhere... into bin, bag or wagon-box. For ear corn, use Gehl's Crusher Head. Start now to save trip and handling time with Gehl's more effective PTO grinding power. Save money, and feed livestock better with a guaranteed Grind-All. Check these bonus features at your local Gehl dealer.

FREE "Better Grinding" Booklet
GEHL BROS. MFG. CO.,
Dept. HJ-161, West Bend, Wis.
Please send free booklet:
"Up go profits—Down go feed costs"
Name _____
Address _____ Box ____ State ____

GEHL Grind-All

●Let the advertisements in Wallaces' Farmer and Iowa Homestead form your buying directory. If the articles you wish to purchase are not advertised in this paper, we will be glad to give you the names of reliable firms from which you can make your purchases.

Farm tractors

Avoid valve trouble

*** Valve rotators change seating surfaces to avoid "hot spots"**

*** Valve rotators prevent deposits on stems, faces and seats**

HAVE you ever had the valves in your tractor engine fail, right in the middle of some timely farm operation?

Most valve failures could have been prevented. Valve rotators in your tractor engine are the answer. Rotation will normally increase the valve life to equal the normal life of pistons and rings. This lets you be sure a slack-season overhaul will get you thru a busy period ahead.

Valve rotation prevents deposits on valve stems, faces, and seats.

These deposits are the cause of practically all exhaust valve failures, because they hold the valve away from the seat so that hot gases leak by the valve face.

These hot gases burn the valve face, making an overhaul necessary. By keeping the valve parts clean, the rotators assure positive seating, and prevent the destructive blow-by.

Constant rotation keeps changing the seating surfaces.

This helps keep the valve from developing "hot-spots", thus aiding further in increasing valve life.

There are two types of rotation mechanisms. One is the release type. It leaves the valve free to turn when the valve is open. The positive type rotator, more common in farm tractors, actually turns the valve slightly each time the valve is opened. At normal engine speed, the valve turns about five times each minute.

You can normally expect valve rotators to double or triple the life of the valves. Tractors equipped with rotators often operate up to 3,000 hours without valve failure or overhaul.

Most new tractors are now equipped with valve rotators. If your choice of new tractor is not so equipped, your dealer can install them.

Rotators are also available for most older model tractors. If your tractor requires valve overhauls between ring jobs, ask your local dealer about rotators for your tractor.

Rotators normally cost about two dollars per cylinder, plus the labor charges for installation.

The rotators themselves, require no adjustment between major overhauls. Release type rotators should be adjusted by a mechanic when the tractor engine is overhauled. It is best to replace positive type rotators at the time of overhaul if they are over four years old, or have more than 2,000 hours of use.

Some positive type rotators do stop turning because of wear and engine sludge. When valve clearances are checked, the rotators should be inspected.

They should be replaced if they're not turning when the engine is running. A stopped rotator does no harm, but neither is it doing any good. A good mechanic can install new rotators without removing the cylinder head.

Valve rotation still requires proper maintenance and operation of your tractor. You must still maintain the proper valve clearances. Change the oil regularly. Service the oil filter. And use the proper air-fuel mixture setting at the carburetor.

EVEN if farmers donated the wheat that goes into bread, the cost of each loaf of white bread would drop only about four cents.

"Turn over a lot of ground today, Dear?"

"American Fence is the practical way to solve the farm fencing problem

. . . it's long-lived and gives a farmer his money's worth in material and labor costs,"

SAYS FRED R. JONES, CONCORD, MASSACHUSETTS

Mr. Fred R. Jones—President of The Farm Bureau Association of Waltham, Mass., President of the local National Farm Loan Assn., and member of the State Board of Directors of the Massachusetts Farm Bureau Federation.

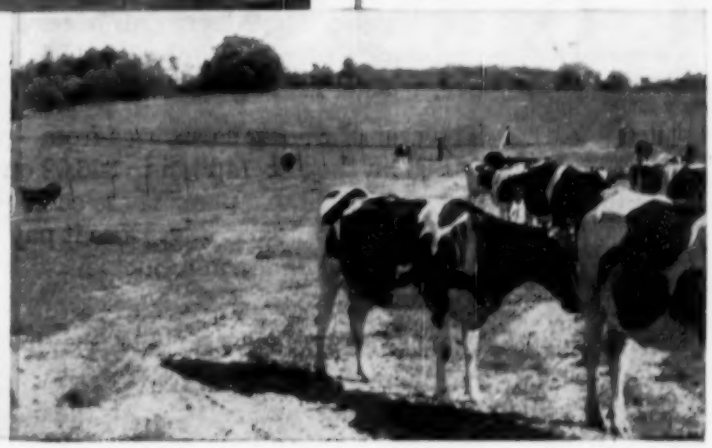
Mr. Jones uses four or five 20-rod rolls of American Fence every year, which is actually new fencing, not replacement fence. He mounts his fence on American Self-Fastening "U" Posts.

Mr. Jones is the prominent owner of two handsome farms near Concord—"Old Acres" farm which has 110 acres, and "Old Acres Sudbury" consisting of 90 acres. Mr. Jones has full dairy facilities at "Old Acres" and processes and bottles 1400 quarts of milk every day—serving customers in both Concord and Acton, Massachusetts. He also raises enough poultry to supply his customers with eggs.

"Old Acres" supports a mixed herd of pure Holsteins and Holstein-Guernseys, which has a herd average (per cow) of 350 pounds of butterfat annually, and 9,000 pounds of milk annually. The cows are fed on a mixture of clover and alfalfa raised on the farm.

Mr. Jones uses American Fence to keep his cows out of the ensilage corn (about 12 acres) and from wandering off the farm. "There are many advantages to American Fence and Steel Posts," he says, "no postholes to dig, nothing to paint, easy to put up, easy to take down. Best of all, American Fence is long-lived. I've used American Fence on my farms since the very beginning. Some sections have been up for more than 20 years." At present, Mr. Jones has more than 4 miles of American Fence on his farms, supported by steel posts spaced 10 to 12 feet apart.

Herd replacements are produced at "Old Acres" through artificial insemination. About a dozen calves a year are kept, and the American Fence does a good job of containing the frisky little animals.



Progressive farmers, like Mr. Jones, consider permanent and temporary fencing a most important farm tool, since it makes possible complete pasture rotation and rotation grazing, plus giving animals and crops the vital protection they need to grow and prosper. These men have learned through long experience that products bearing the "American" brand give years and years of good, economical service in all kinds of weather and under rough treatment. See your American Fence Dealer.

"There's more in use than any other brand"

USS

AMERICAN FENCE AND POSTS

Send for this FREE Literature

American Steel & Wire Division
Rockefeller Building, Cleveland 13, Ohio

Please send me your FREE booklet—
HOW TO BUILD GOOD FARM FENCES!

Name .....

Address ..... Town.....

County ..... State.....

Who says Calf Manna costs too much?

ENOUGH IS ENOUGH!

For years we've been told that Calf Manna is too expensive and for years we've been saying, "Look at our records" and "Look at our customers' records."

But that wasn't enough...there were those who said there's another feed "just as good, but costs less."

NOW, an independent research corporation comes up with positive proof...

IT COSTS LESS TO FEED CALVES TO FOUR MONTHS ON THE ALBERS CALF MANNA-SUCKLE PLAN than any of ten plans tested including milk feeding.

Shown at left are the actual results of the research done by Management and Marketing Research Corporation of Los Angeles. The Albers Calf Manna and Suckle plan saved up to $14.96 over 9 other leading calf starters.

The cost of raising calves was from $21.06 on the Albers Plan to $36.02 on the least profitable plan. These costs include all grain and hay. Does it pay to feed Calf Manna and Suckle to your calves?

YOU BET IT DOES...and, you'll have larger, healthier calves, deep bodied calves, and calves with the capacity to consume large quantities of roughage for more economical production as adult cows. It takes so little Calf Manna to do so much. The calf is on dry feed, inexpensive roughage, days ahead of any other program. And scours are forgotten.

Whether you're figuring out-of-pocket costs or in-the-pail profits, Albers Calf Manna and Suckle program just can't be beat. Ask your feed dealer for all the details and start your next calves the Albers way.

For Complete Details write

ALBERS MILLING COMPANY

1016 Central Street
Kansas City, Missouri

McBride bridge spans the north branch of the North river about 10 miles northeast of Winterset, Iowa. It was completed in 1871.

Covered bridges in Iowa

Seven left in Madison county

MODERN life and modern traffic have left little room for the covered wooden bridges that once served Iowa farm families.

But here and there, you may still find one—preserved for its historical interest, or because it can still serve its original purpose.

Madison county, Iowa, has seven covered bridges still in use. Four of them are pictured here.

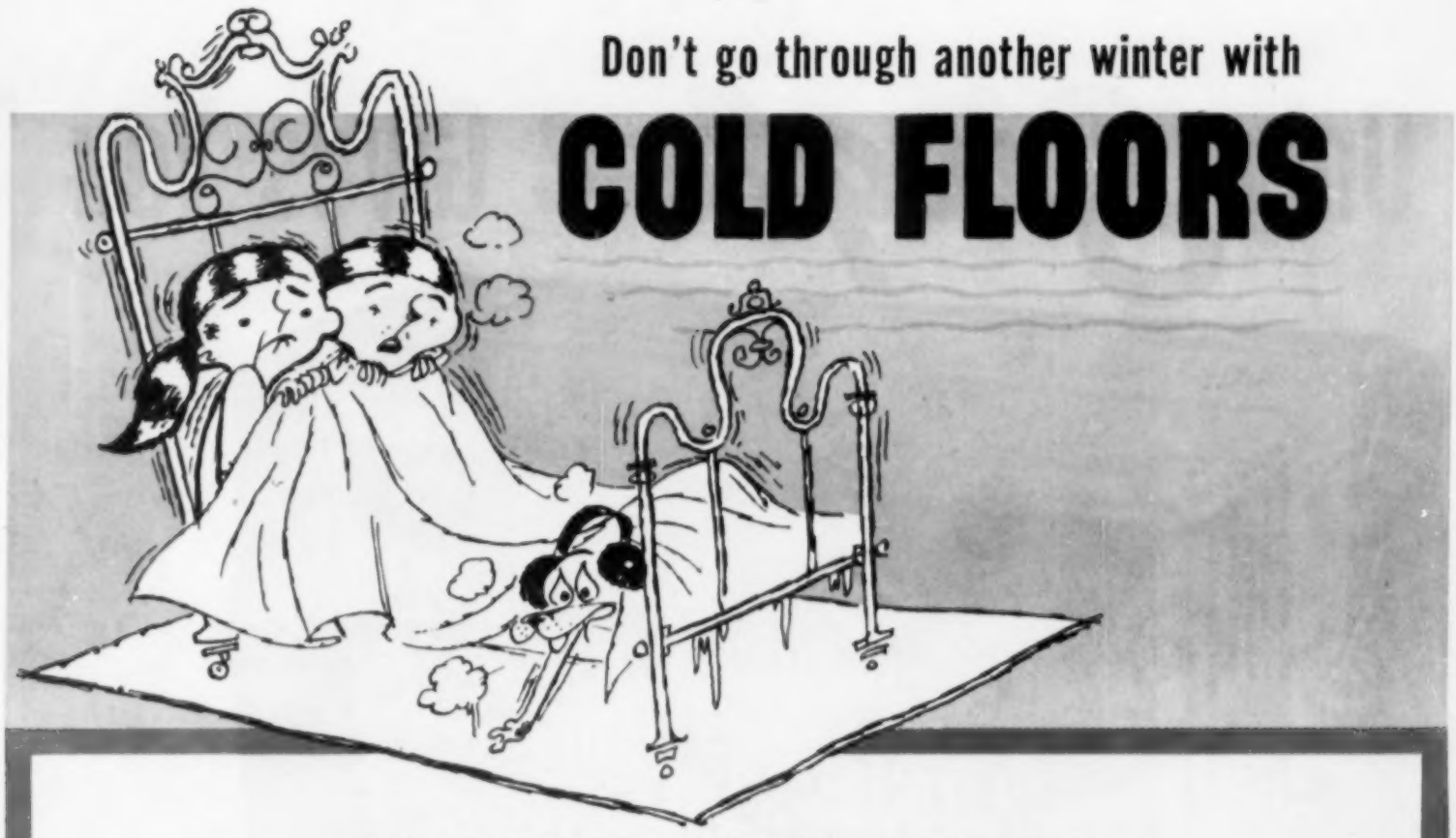
Cutler, or Donahue, bridge is 4½ miles northwest of Bevington, Iowa. It bridges the North river. Built in 1871, it still has the original pitched roof.

Cedar bridges dates from 1883. It spans Cedar creek and is located three miles northeast of Winterset, Iowa.

Hogback bridge spans the North river about five miles northwest of Winterset, Iowa. It was built in 1884.

Don't go through another winter with

COLD FLOORS



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Warm Floor Heat "Travels" to Every Room without costly pipes or registers to install!

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PATENTED AUTOMATIC

HOME HEATERS

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BUILT-IN BLOWER
forces heat over the floor
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furnace pipes or r

NO OTHER HOME HEATER offers the comfort, safety, and health for your family you get with a Siegler! You'll never again have to "live" in 1 or 2 rooms all winter . . . never worry about the children playing on cold, drafty floors! The new Siegler Home Heaters actually "travel" warm, even heat to every room in your home! Give you warm floors for your family's health and comfort!

ORDINARY HEATERS let your heat rise . . . waste most of it on your ceilings . . . lose a lot of it up your chimney! You pay for heat you never get to use!

GET THIS

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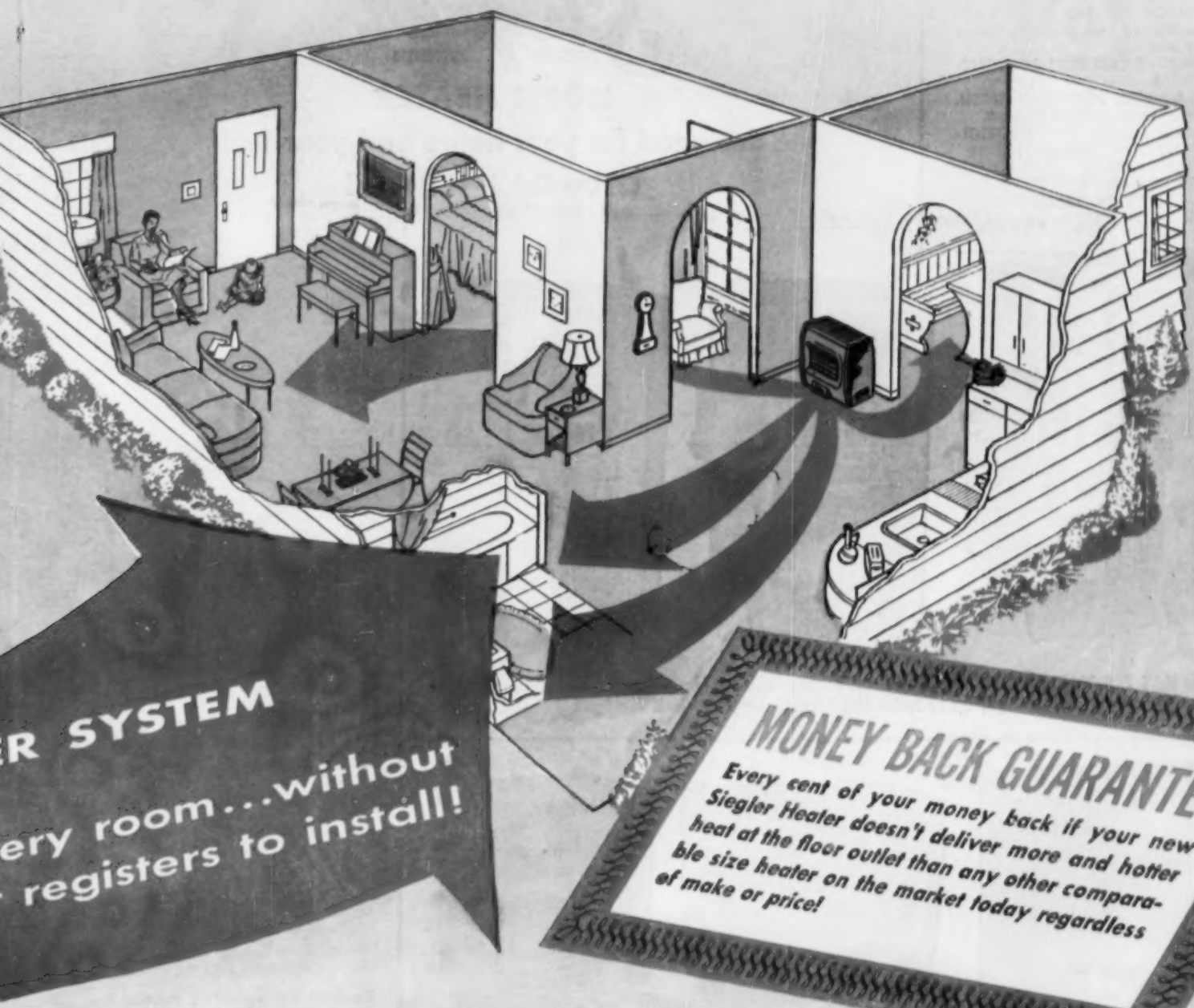

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th the Fuel it Saves...OIL or GAS

You get exclusive features with Siegler
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—no extras to buy!

- PATENTED INNER HEAT TUBES!
- PATENTED SIEGLERMATIC DRAFT gives perfect combustion even with weak or defective chimneys!
- STAINLESS STEEL KLEEN-FIRE BURNER prevents soot and smoke!
- REALLY SILENT OPERATION with patented Free-Floating Motor Mount!
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- BEAUTIFUL PORCELAIN FINISH. Won't peel, mar, or discolor!
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- LOW OPERATING COST!
- 100% SAFETY!
- TROUBLE-FREE OPERATION!
- MONEY BACK GUARANTEE!
- U. L. APPROVED!

SEE YOUR SIEGLER DEALER NOW!

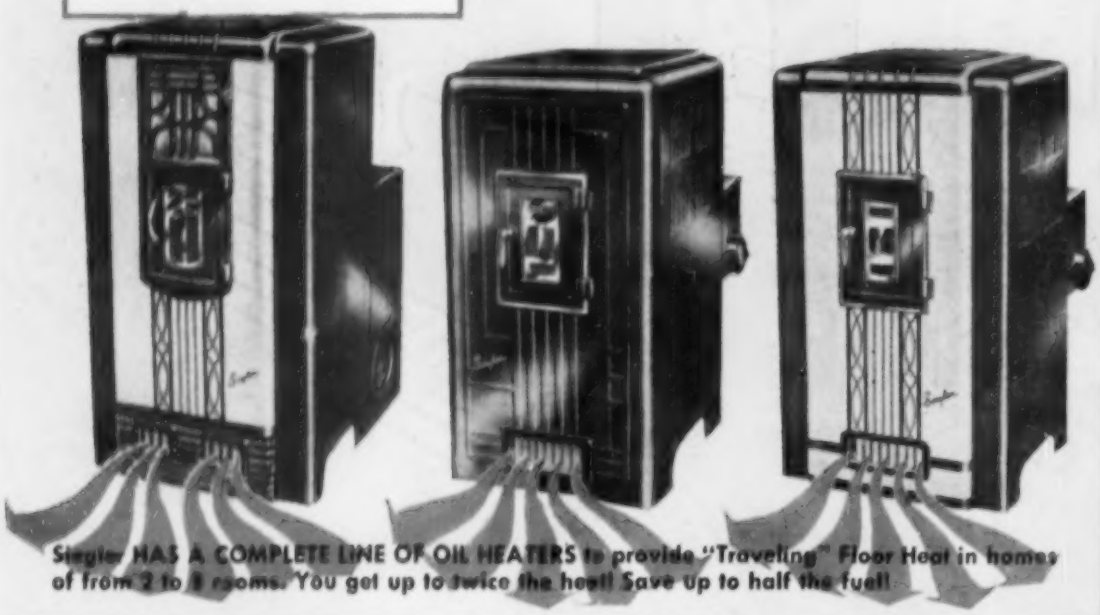
There's a

Siegler PATENTED AUTOMATIC

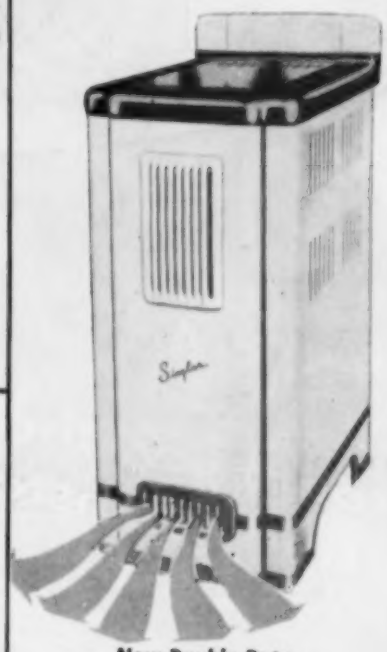
HOME HEATER

designed for your home and your fuel

OIL—GAS—LP GAS

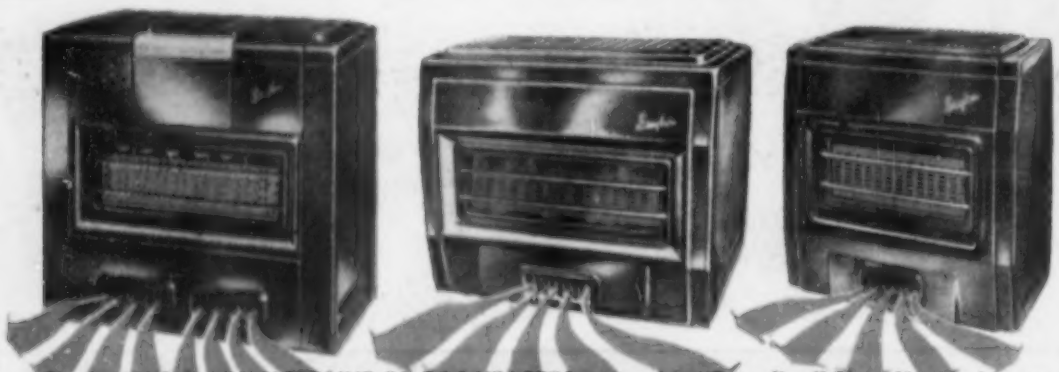


Siegler HAS A COMPLETE LINE OF OIL HEATERS to provide "Traveling" Floor Heat in homes of from 2 to 8 rooms. You get up to twice the heat! Save up to half the fuel!



New Double Duty KITCHEN HEATER

Perfect for cooking meals! Wonderful for heating up to 3 rooms! Gas or oil model.



Siegler HAS A COMPLETE LINE OF GAS HEATERS to provide "Traveling" Floor Heat in homes of from 2 to 7 rooms. You get perfect heating from natural, manufactured, or LP gas.

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- CAST IRON "RIBBON" BURNER produces clean flame.
- REALLY SILENT OPERATION with Siegler's patented Free-Floating Motor Mount!
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- COMPLETELY ASSEMBLED—NO EXTRAS TO BUY!
- READY FOR OPERATION—FULLY AUTOMATIC
- 100% SAFETY!
- TROUBLE-FREE OPERATION!
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- A.G.A. APPROVED!

Siegler PATENTED AUTOMATIC

HOME HEATERS

PAY FOR THEMSELVES WITH THE FUEL THEY SAVE!

If you don't know the name of the Siegler dealer nearest you, write THE SIEGLER CORP. Centralia, Illinois

Workday pointers

IF YOU MUST fall plow rolling land, wait until almost winter and leave the plowed land as rough as you can.

▼▼▼

FALL is a good time to apply lime on land that will be seeded to legumes the next spring.

▼▼▼

SOWS BRED now will farrow in mid-winter. Pigs will reach market weights when hogs are highest in summer. It's a good time to breed sows if you have the buildings and know-how so you can save pigs in zero weather.

▼▼▼

IDLE SOIL BANK fields offer an opportunity for terracing if land is hilly. Or, drainage systems may be improved on level fields. Weed destruction is in order on all kinds of land.

▼▼▼

EARLY BUYERS of boars get best individuals. Early buying also gives animals time to get accustomed to your farm before breeding time.

▼▼▼

IF YOU EXPECT to let nature dry your corn, build cribs on the windiest spot you can find. Air actually moves thru a filled crib exposed broadside to the wind. A big grove protects the crib but slows down nature's drying process.

▼▼▼

ASK YOUR extension director about fly-free dates for seeding winter wheat. Earliest recommended date for southern tier of Iowa counties is September 24.

▼▼▼

FROST might strike any time now, but killing frosts this early are unusual. However, odds favor killing frost coming within two or three weeks.

▼▼▼

SECOND INSTALLMENT of Iowa property taxes is due this month. Penalty attaches if you're late.

▼▼▼

YOU CAN CHANGE to meat-type hogs without selling your present herd. Buy the right kind of boar, and select the meatiest sows in your herd for breeding. Change will come pretty fast that way.

▼▼▼

SAFE WAY to start cattle on feed is to feed corn chopped stalk and all. Then shift to ground snapped corn and finally to ground ear corn. Not much hay is required for fattening cattle fed this way if protein supplement is fed.

▼▼▼

WANT TO KNOW what your corn will yield? Pick the ears from one-hundredth of an acre; let the ears dry and weigh them. Multiply by 100, and you have the yield. One hundredth of an acre is about 39 hills if your rows are spaced 40 inches each way. In drilled corn with rows 40 inches wide, measure off about 130 feet for one hundredth part of an acre.

WHEN BUYING breeding stock such as boars or bulls, look at the herd they came from as much as you look at the individual. And get the exact age of animals so you can figure whether they are of the fast growing type.

▼▼▼

WATER PIPED into hog houses and poultry houses saves a lot of time and exposure in winter. Now's the time to lay the pipe.

▼▼▼

DOCKS FOR DIRTY soybeans are likely to become more severe than they are now. Fix your combine for a good job and get the top price.

▼▼▼

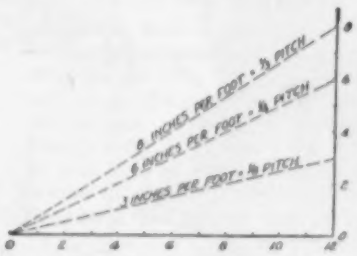
WHEAT ACREAGE RESERVE agreements must be signed by September 21. See your county ASC committee if interested.

▼▼▼

BUSHEL OF BEANS per acre is left on the ground if you find 36 beans in one square yard behind the combine.

▼▼▼

EVER WONDER just what is meant by one-third or one-half pitch on a roof? This illustration shows one-eighth, one-fourth and



one-third pitch. One-eighth pitch is all right for metal roofs. But shingled roofs should be at least one-fourth pitch, and one-third is much better.

▼▼▼

CORN SPRAYED to kill second-crop borers should not be put in the silo to feed the milk cows.

▼▼▼

CORN SILAGE can be put on top of oats silage. But dry or molded material should be removed first. And it will probably help to add a little water. Dry material may draw the moisture from the new corn silage.

▼▼▼

AFTER FLIES are gone is a good time to perform calf dehorning and castrating operations.

▼▼▼

CHANGE TO NEW corn should be made gradually with all kinds of animals. Quick change is bad with any kind of feed.

▼▼▼

YOUNG BOARS should be eight to nine months old at breeding time and weigh at least 250 pounds.

▼▼▼

WANT THE RULE for figuring crib capacity? Multiply length (in feet) by width. Multiply the result by average height. Now you have cubic feet. Multiply by .4 if you like decimals. Or multiply cubic feet by two, and divide by five. Either way, result is bushels. For shelled corn or small grains, just double the bushels.

"...practically overnight the scours seemed to STOP!"

Mr. Orville Gallington of West Terre Haute, Indiana, found that adding CSC's Baciferm-PB to the regular feed saved his swine from severe scouring damage. His 60 pigs had gotten off to a good start. But one morning a few were scouring and soon 16 pigs were affected—two had to be killed. Mr. Gallington began using Baciferm-PB and "practically overnight the scours seemed to stop." In less than two weeks, he could see his pigs beginning to fill out.

CSC's Baciferm-PB is an antibiotic supplement containing bacitracin and penicillin. This combination of antibiotics used at high levels in swine feeding has proven effective in fighting infectious swine enteritis, stimulating appetites and reducing mortality. You save at least 25% over cost of competitive antibiotics. In addition, Baciferm-PB gives you the important *plus* of extra vitamins and unidentified growth factors.

CSC BACIFERM®-PB

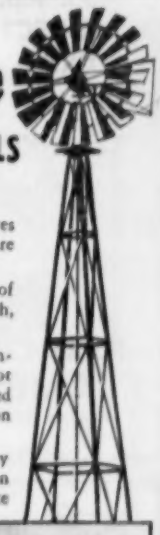
(BACITRACIN ANTIBIOTIC SUPPLEMENT)

HIGH-LEVEL FEEDING AT LOW-LEVEL COST

Animal Nutrition Department
COMMERCIAL SOLVENTS CORPORATION
260 Madison Avenue, New York 16, New York

FASHIONS may change

...but AERMOTOR WINDMILLS are *ALWAYS* IN STYLE!



The high quality, dependable Aermotor assures a constant, inexpensive source for water where you want it.

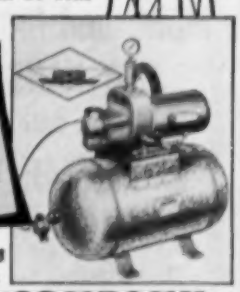
Perfect alignment and careful balancing of the unusually efficient wheel insures smooth, easy turning in even the lightest wind.

The sturdy Aermotor is so ruggedly constructed that even hurricane winds cannot damage it. Only an annual oil change is needed to keep the mill in perfect operating condition for many years of trouble-free service.

Visit your nearest Aermotor Dealer and see the many extra quality features of the Aermotor. Let him show you how you can obtain an economical, dependable water supply for all of your needs. Or write for free illustrated literature.

OTHER AERMOTOR PRODUCTS

THE New "Bud-Jet" PUMP is a high quality, low cost electric pump especially designed for farms, small homes and summer cottages. Ask your Aermotor Dealer about it!



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AERMOTOR COMPANY

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Dr. LeGear Announces
"EXTRA PROFIT FOR FEEDERS"
BOVEXTRA
NEW RUMEN AID
CUTS MARKETING TIME 25%

Now you can save the wasted weeks of slow, costly feed "change-over" before marketing. BOVEXTRA, Dr. LeGear's new scientifically prepared rumen inoculum, brings your cattle from range to full feed in 8 to 12 days and helps prevent many forms of scours or other digestive upsets.

BOVEXTRA supplies billions of tiny living bacteria to the rumen where they go to work aiding digestion . . . turning feed into meat and profits instead of waste.

Put BOVEXTRA to work today . . . it costs as little as 64¢ per head for the entire conversion period. Your nearby dealer has BOVEXTRA in convenient 2 lb. jars or economical 20 lb. cartons.

Within Hours . . . Positive Improvement in MASTITIS with HYPO-ZYME-6

Powerful fast-acting drugs combine to successfully treat acute and chronic Mastitis. HYPO-ZYME-6's "enzyme action" opens the way for the antibiotics and sulfa drugs to heal the infection. Disposable hypo-syringes afford safe sanitary application. Available in a "Handy Pack" carton of 12, BUY IT TODAY!

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FOR YOUR VETERINARY SHELF . .

MORE FOR YOUR DOLLAR!

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MORE and MORE FARMERS BUY HANSON CRIBS
(Also Silos and Bins)
EACH YEAR *because*

There Are 6 BIG Reasons!
- TOP QUALITY MATERIALS
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- GUARANTEED CONSTRUCTION
- REASONABLE COST
- EASY FINANCING

Get complete information about stronger, more economical, more attractive concrete stave silos and concrete stave corn cribs . . . we also manufacture and erect concrete stave grain bins.

WRITE TO
HANSON SILO CO.
LAKE VIEW, IOWA
Plants also at LUVERNE AND LAKE LILLIAN, MINN.
Emil Hanson & Sons Since 1916

School kids get more milk

Iowa schools make good use of special school milk program

CONSUMPTION of milk in Iowa schools has doubled since the special school milk program went into effect two years ago.

That's the word this fall from C. W. Bangs, director of Iowa's school lunch program.

You'll remember that the Agricultural Act of 1954 set aside $50 million of CCC funds per year to be used for the purpose of increasing milk consumption in schools.

The program was initiated late that year. And Iowa schools were quick to take hold of it. Last year, however, was the first full year of operation under the special milk program.

A total of 1,371 Iowa schools participated in the program last year. About 900 of those schools used the special milk program in conjunction with hot lunch programs. Most of the others were rural schools.

Under the special milk program, the government pays three cents per half pint on all milk used in schools which do not serve a hot lunch. And in hot lunch schools the government pays four cents of the cost of each half pint of milk in excess of the one serving that goes with the hot lunch.

So it's possible for youngsters to get all the milk they want to drink at a cost of only one or two cents per half pint.

An average of 250,000 youngsters took advantage of that opportunity each day of the 1955-56 school year.

Iowa's entire allotment of $733,000 was exhausted before the end of the school year. But extra money was available because some states failed to make full use of the funds which were allotted to them. So all special milk program claims were paid, Bangs explains.

Funds for the special school milk program have been boosted to $75 million for this year, however. And Iowa will be allotted about 30 percent more money than last year, Bangs says.

So it appears that there will be plenty of money to carry on the special milk program thru the coming year.

Some of the hot lunch schools which weren't in the special milk program last year are coming in this year, according to Bangs. Non-participation in those schools has been due largely to lack of refrigeration space, he points out.

And more rural schools are expected to take advantage of the milk program as delivery and refrigeration problems are solved.

Hot lunches were served in 946 Iowa schools last year. And eight more schools are going into the hot lunch program this fall—leaving only 12 or 15 town schools without lunch programs, Bangs says.

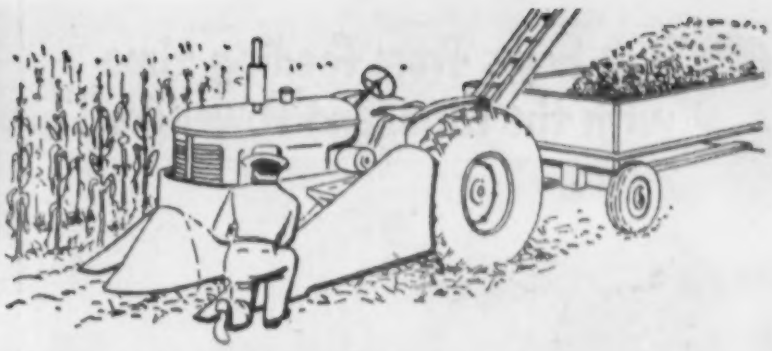
The schools used about $1.5 million worth of government commodities—free to the schools at half a dozen distribution centers around the state.

That list of commodities included such items as butter, dry milk, pork, hamburger, beans, rice and fruit.

Prospects for obtaining free government commodities for use in school lunch programs this year are as good as last year—if not better, Bangs says.

"Well, did you get rid of the lightning rod salesman, dear?"

SLASH farm implement grease costs and SAVE your greasing time



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LITHIUM BASE

New United MP is a grease that does everything. Users report that MP cuts their greasing time in half and their greasing costs one-third. That's because new, Lithium Base MP clings to bearings and moving parts. MP is designed for all farm equipment. You can pump it into fittings under the hottest sun and it won't drip or bleed away. You can use MP for every grease job on the farm—it's multi-purpose. It doesn't harden in extreme cold temperatures. If you have to grease your picker or combine twice each day, it's time to see your United MP dealer for new, *Red* MP.

it's ALL WEATHER

it's MULTI-PURPOSE

Manufactured by the makers of famous PICKER-LUBE

STANDARD for LESS WEAR

New *United* **D-300** All-Weather

MOTOR OIL

for both Diesel and Gas Engines

We wanted a new motor oil that would be the last word in protection—an oil that would have the finest blends and additives. D-300 is the answer. To you it means all-weather performance, increased engine life, better mileage and operation. Leading farm implement manufacturers recommend it for both diesel and gas engines. It exceeds the high standards of U. S. Army Ordnance.

These *United* Dealers have New MP in stock.

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AMES ..... Square Deal Oil Co.
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ARCHER ..... Tanner Oil Station
ATLANTIC ..... Hoegh Oil
AUBURN ..... Putbreese Seed
BATTLE CREEK ..... Johnson Oil
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BOONE ..... Square Deal Oil
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CALLENDER .....
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CEDAR RAPIDS ..... Bervid Oil
CHEROKEE .. Cherokee Implement
CLARINDA .... Schenck Implement
CLEARFIELD ..... Spurrier Oil
CLEGHORN ..... Elmer Gowan
COIN ..... Whitmore Service
CORNING ..... Wilmarth Oil
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ESTHERVILLE ..... Brink Oil
EVERLY ..... Harms Implement
EXIRA ..... Minerman Motor
FARRAGUT ..... Farragut Oil
FONDA ..... Rath Implement
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IRWIN ..... McMahon Oil
JEFFERSON ..... Service Oil
KANAWHA ... Moeller & Brunson
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LEIGHTON ... Leighton Gas & Oil
LOGAN ..... Lloyd Foutch
LONE TREE .... Harry's Home Oil
MANSON ..... Manson Implement
MARATHON ..... O. F. Smith
MARCUS ..... Marcus Oil
MASSENA ..... Yarger Auto
MINDEN ..... Luchsinger Oil
MURRAY ..... Henderson Oil
NEVADA . Nevada Independent Oil
NEWELL ..... Wassom Implement
NEW HARTFORD ... Dix & Rawdon
NEWTON ..... Square Deal Oil
OAKLAND ..... Dau Bros. Oil
ODEBOLT ..... Boerner & Roth
ORANGE CITY ..... Premium Gas
PALMER ..... Palmer Implement
PATON ..... Horn Oil
PERCIVAL ..... Freeman Bros.
RANDOLPH ..... Garber Oil
ROCK RAPIDS .....
.....Lyon County Co-op Oil
SANBORN ..... Boone 66 Service
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Omaha, Nebraska

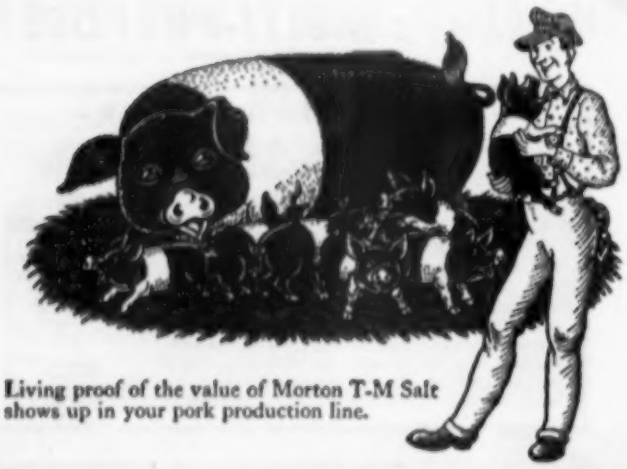
"Cut hours from feeding time with the Farmhand 'Power-Box'!"

CORN PICKING demands a box with the capacity to save trips. The Farmhand "Power-Box" with high, flared Forage sides has this big capacity. The "Power-Box" also give you smooth, dependable PTO-unloading that saves you time and hard work. It's a real time and trip saver for handling silage from field to silo, too.

THERE'S MORE PROFIT IN FEEDING when you turn your feeding chores over to the Farmhand "Power-Box" Feeder. This is the unit with the capacity, efficiency and dependability that dairy and beef operators appreciate. The 6-ton model shown here enables one man to easily feed 500 head and more. Feed is mixed and discharged as you drive along . . . no lifting, no shovel-work necessary. Heavy-duty floor conveyor and Feeder attachment are PTO-powered. 18" belt-type or 16" auger discharge conveyors handle all types of feed. Smaller 4-ton model has 12" auger discharge conveyor. Both "Power-Boxes" convert to Spreaders and Forage-Silage Units.

See Your Farmhand Dealer, or Write to:
THE FARMHAND COMPANY, Dept. WF-96
HOPKINS, MINNESOTA
A Division of Superior Separator Company

Farmhand
FIRST IN FARM MATERIALS-HANDLING



Living proof of the value of Morton T-M Salt shows up in your pork production line.

Morton TRACE MINERALIZED Salt
for healthier hogs, healthier profits

MORTON T-M SALT helps you get more pigs per litter that reach market weight. Only one extra pig brings in enough to pay for about a ton of T-M Salt. Therefore, it is very low-cost livestock insurance.

College feeding trials conclusively prove the need for trace minerals in the rations of all livestock. Most farm lands are short of one or more of the essential trace minerals—**cobalt, iodine, iron, copper, zinc or manganese.** So feed Morton T-M Salt the year 'round to guard against mineral deficiencies . . . assure yourself of *more* milk, *more* meat, *more* wool and a higher return from each feed dollar.

The cost of Morton Trace Mineralized Salt over ordinary salt is less than 1¢ per animal per week. Feed it free choice, even if you feed a major mineral supplement. *You know they need it. They know how much.*

Always order Morton T-M Salt. It is the only kind you should use.

Less than ¾¢ more

Less than ¾¢ more

Less than 1¢ more

Less than ¾¢ more

MORTON TM TRACE MINERALIZED SALT

At your feed dealer's—bags or blocks.

Social security law changed

The 1956 amendments give women benefits at age 62. But benefits will be reduced

TWO changes in the social security law this year may affect you if you are employed or are the wife of an insured worker.

Now you may start getting social security benefits at age 62 if your husband is 65 and is entitled to monthly payments. Or if you are qualified for benefits on your own income.

Discussed below are the changes which will affect you if you are a farm wife or are self-employed or work for cash wages.

Wives

Wives are not eligible for monthly benefits until their husband is 65, and entitled to his benefits. However, some wives may be eligible for benefits based on their own income.

You will have a choice of applying for your monthly social security benefit any time after you are 62. The nearer to 65 you are at time of application, the higher your benefit will be.

At age 65, you would get a monthly social security check equal to half the amount your husband gets. But if you are 62, you get 75 percent as much as you would get at age 65. And at 63, you would get 83⅓ percent. At 64, you'd get 91⅔ percent.

Should you apply for your benefits before you are 65?

You must make your own decision whether it's worth more to you to take the reduced benefit or wait until you are 65 and get a larger monthly benefit.

The social security people will be glad to furnish you with information, but they can't tell you what your decision should be.

If you choose to take the reduced benefit at any age between age 62 and 65, you would be ahead for the first 12 years. However if you receive a wife's benefit at the reduced rate for more than 12 years, the total amount you will receive won't be as large as if you had waited until age 65 for the higher benefit.

If you choose the lower benefit, you will continue getting the smaller check as long as you live. But if your husband dies, your benefit will be increased to a full widow's benefit equal to 75 percent of his basic benefit.

What would be the advantages of taking the reduced benefit?

You would get a monthly check three years sooner. And as stated above, you would be ahead for 12 years by taking the smaller payment. You would be 74 years old by the time you would start losing money by taking the smaller check.

You will probably live five to 10 years longer than your husband. If he died within the 12 years, your benefit would be increased to a full widow's benefit. And you would be ahead the three years.

If you take the smaller benefit and your husband lives 20 years after 65, you would have to take the smaller benefit the full 20 years. In this case you probably would be better off by taking the full benefit at age 65. But you never know how long you or your husband will live past 65.

A widow's benefit is not reduced even if she applies for them at age 62.

Employed Women

Your social security benefits at age 65 will be the same as a man gets at age 65 if your net income or cash wages are the same.

But if you apply for benefits at age 62, you will get 80 percent as much as if you waited until you are 65. At 63, you would get 86⅔ percent; at 64, 93⅓ percent of your benefit at age 65.

If you apply for your benefits anytime between ages 62 and 65, you would be ahead for the first 15 years. If you get the reduced benefit for more than 15 years, the total amount won't be as large as if you had waited until age 65 to get the larger benefit.

If you choose the reduced benefit earlier, you will continue to get that amount as long as you live.

The amount of work required to make benefits from social security possible depends upon the date you reach age 62, or the date of your death. At least one and one-half years of work are required but never more than 10 years.

For a working woman who died or reached age 62 before July 1, 1954, no more than one and one-half years of work is needed. If you reach age 62 in the first half of 1958, you will need no more than three and one-half years work to get social security benefits.

Claims

To speed action on your claim, bring your marriage certificate. If a widow, bring husband's death certificate, copy of last federal income tax return, and proof of age.

Acceptable proofs of age are: birth certificate, baptismal certificate, insurance policy, record of age on marriage license, or other old documents which clearly show date of birth or age.

Additional information on the 1956 amendments to the social security law is available at your nearest district social security office. Your postmaster can give you the address.

Reddy is proud of the More than

300 FARM JOBS

he is doing on Today's modern Electrified Iowa Farms

PLENTY OF POWER . . . that's what has given Reddy the chance to accomplish these outstanding results for the Farmers of Iowa.

LIVE BETTER ELECTRICALLY

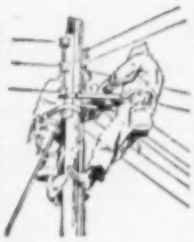
The farmers and the Electric Companies of Iowa are working steadily together to show the world what "POWER" means on the farm. And better living on the farm will continue to come by wire as new ideas and more and better uses for electric service on the farm are developed.

More "Miracle" Work-Savers Are on Their Way

Once Reddy Kilowatt starts to work, he never stands still on the job! The close teamwork between Iowa farmers who *plant* for tomorrow and their electric companies, who build *tomorrow's plants*, is helping electric service to keep doing a steadily better job on the farm.

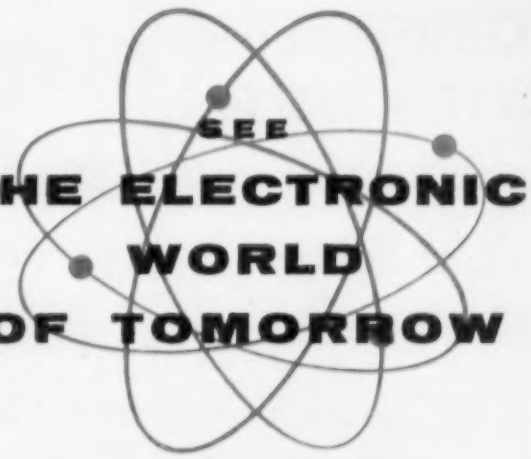
Reddy helps inside the farm home . . . taking the oldtime drudgery out of housework . . . helping with the laundering, cleaning, cooking. He supplies floods of hot water, so essential in so many farm jobs. He lights the home and the farm buildings for easier, safer, more efficient living. Reddy does the milking, cleans farm buildings, pumps water, processes crops, helps productivity. Always he saves hours of labor . . . and that's saving dollars for the farmer!

There'll be more and more time and labor-saving "miracle" appliances coming along for the farm and the farm home . . . and Reddy will always be "reddy" to carry on!



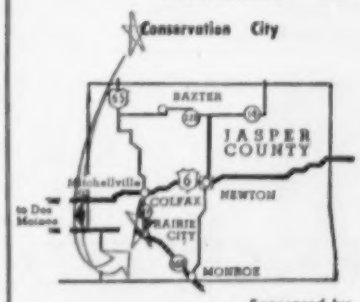
$40,000,000 of Added Power Facilities Each Year

The Electric Companies of Iowa are spending millions each year to keep Reddy "on the job" for Iowa farmers and to help him perform more services. Their promise stands firm: "There'll Always be Plenty of Power in Iowa!"



Farm Field Days

SEPTEMBER 20 - 21 - 22



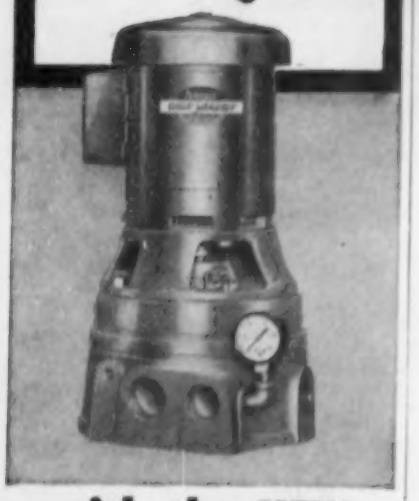
AN EDUCATIONAL EXHIBIT OF FUTURE ELECTRICAL WONDERS

See a scale model of an atomic electric power plant—sample food cooked almost instantly in the fantastic electronic oven—many other interesting exhibits showing future uses of electric power on the modern farm of tomorrow.

Sponsored by
IOWA RURAL ELECTRIC CO-OPERATIVES
and
THE ELECTRIC COMPANIES OF IOWA

The Electric Companies OF IOWA

More Water...
More Pressure...
Greater Depth...
at Lower Cost!



with the NEW
DEMPSTER
Dual-jetmaster
WATER SYSTEMS

Now you can get extra water volume, the extra pressure you need from even greater depth, without the investment and operating cost of a multi-stage pump.

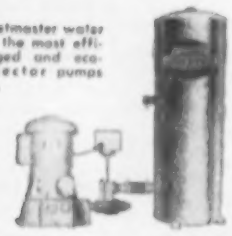
Based on a unique principle of back-to-back impellers, the new Dempster Dual-jetmaster increases the delivery and pressure with only a ¾ H.P. motor. This new principle also lowers maintenance cost and wear as thrust is reduced and the pressure on the seal is cut in half from the conventional multi-stage pump.

Powered by a standard NEMA rated motor, the Dual-jetmaster features the famous Dempster patented seal, brass wearing rings and stage plate. The advanced engineering of the impellers and wearing rings gives full capacity.

Wherever you need to go deeper, or, in a deep or shallow well require more pressure or volume, the Dempster Dual-jetmaster is the pump for you.

It's backed by Dempster! At your service...77 years of Water System Experience

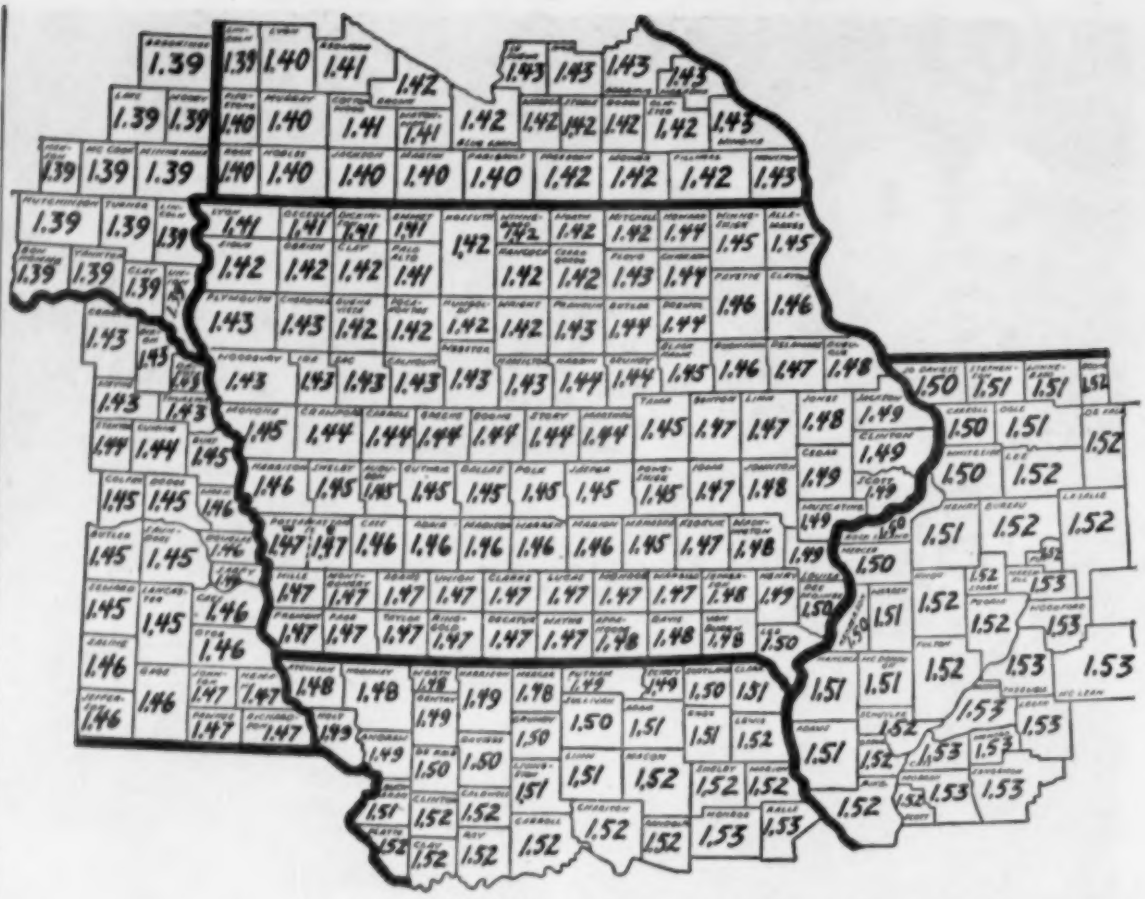
Dempster jetmaster water systems — the most efficient, rugged and economical ejector pumps ever made.



Write for these two informative jetmaster folders.

See your Dempster Dealer or Write

Dempster Mill Mfg. Co.
Beatrice, Nebraska



Corn Loan Rates for 1956 corn grown in the western Corn Belt are shown here by counties. Figures indicate what you can get if you're in compliance with corn acreage allotments. You get 25 cents less if not in compliance. Rules relating to cribs and moisture content of corn will be same as last year.

Corn loan lower, crib rules same

GOVERNMENT loans on 1956 corn are eight cents lower than a year ago for farmers in compliance with acreage allotments. National average will be $1.50 in the commercial corn growing area.

A lower loan price is offered farmers who are not in compliance with acreage allotments. National average will be $1.25 per bushel.

Top corn loan rates by counties in the western Corn Belt are shown on the map above. Farmers not in compliance with corn acreage allotments should subtract 25 cents from the above figures to find what their loan rate will be.

You can see that corn loan values vary by counties from $1.53 in central Illinois counties to $1.39 in southeastern South Dakota. Iowa rates vary from $1.50 in the southeast counties to $1.41 in some northwest counties.

Corn sealing rules relating to crib widths and moisture content of corn will be the same as last year according to Iowa ASC officials.

No corn will be sealed if above 20.5 percent moisture. And moisture content will have to be lower than 20.5 percent if cribs are too wide.

Crib widths for 20.5 percent moisture content corn must not exceed six feet in some northeast counties shown on the map.

In some southwest counties of the area, cribs may be as much as nine feet wide when corn has 20.5 percent moisture.

If cribs are wider than the maximums for 20.5 percent moisture corn, here is the rule for meeting corn sealing requirements.

For each foot in width a crib exceeds the maximum for the area, moisture content of corn must go down one percentage point.

That is, if you have a nine-foot crib in an area where eight-foot cribs are the rule, your corn must not exceed 19.5 percent moisture if the corn is to be sealed.

If corn is dried down to low moisture levels, however, such as 13 or 14 percent, most any width of crib could be used to seal corn. Shelled corn can be sealed at 13.5 percent moisture.

For round cribs, width is considered as the distance from outside to a point half-way thru the ventilator. If no ventilator, two-thirds of diameter is considered width.

See your county ASC committee for further details about corn sealing rules on 1956 corn.

Grain totals down

CORN producers will have less competition from producers of other grains in the year ahead than they had in the year just passed.

Oats, barley and grain sorghum totals are all down from last year, according to crop estimates.

The oats crop took the worst beating from the weather.

This year's oats crop is over 350 million bushels under last year's production of 1,499,282 bushels. Total available supply of oats for the year ahead (new crop plus holdover) will be about 1,486,000 bushels, compared to 1,801,000 a year before.

Thus it can be seen that the reduced oats crop for this year cancelled the record holdover of oats which was about 347 million bushels July 1.

The reduction in oats would equal the feed value of over 150 million bushels of corn.

The barley crop for this year is down around 40 million bushels from last year's production. The July 1 holdover was down too. Total reduction in barley supplies from a year before is about 55 million bushels. That would equal about 40 million bushels of corn.

The grain sorghum supply will be lower than a year ago too. Early estimates were that the crop would be down about 50 million bushels. Figures for holdover comparisons are not available. But it's probable that reduction in sorghum will equal 40 million bushels of corn.

It now appears that small grain and sorghum reductions from year-ago supplies will equal about 230 million bushels of corn. Some reduction in grain reserves may occur in the year ahead.

NEWEST ADVANCE IN BEEF FEEDING:

COST OF GAINS CUT UP TO 2¼¢ LB. WITH TERRAMYCIN

Faster Gains, better feed conversion and higher levels of health, now made possible with Terramycin, are of timely importance to beef feeders.

Extra Benefits of Terramycin are *in addition to* those feeders with stilbestrol.

University and Private Research Station scientists report results of 17 trials with more than 2,500 cattle.

Terre Haute, Ind. The most important new development in beef feeds, discussed by animal nutritionists here for the 4th annual Research Conference, was the wider use of Terramycin in the rations of beef cattle.

Carefully conducted tests at the Pfizer Research Center, state university experiment stations and by commercial feed-lot operators, show that low levels of Terramycin, blended into the supplement, cut costs per pound of gain as much as 2.25¢.

The *average* improvement in rate of gain with Terramycin was 8%—*with a corresponding 8% improvement in feed conversion efficiency!*

Net return over feed costs averaged $3.44 greater for the Terramycin Fed Steers than for ones on the same ration without Terramycin. Feeders also noted that the animals getting Terramycin had a better overall appearance due to their higher levels of health.

The value of special feeds containing Terramycin at higher levels—fed to calves and cattle for a few days following arrival on the feed lot—was also demonstrated. This practice has dramatically helped to reduce losses and setbacks due to Shipping Fever.

YOUR FEED MANUFACTURER can supply complete supplements containing the proper amounts of Terramycin for faster, lower cost extra gains (with or without stilbestrol). Also ask your dealer about feeds with Terramycin at higher levels for prevention of Shipping Fever.

Terramycin®
BRAND OF OXYTETRACYCLINE

for BEEF

Pfizer

Chas. Pfizer & Co., Inc.
Brooklyn 6, N. Y.
World's largest producer of antibiotics

Toothpicks in Corn Stalks

Infecting corn with toothpicks carrying spores of stalk rot disease. A help in discovering resistant strains.

STALK ROT RESISTANT CORN

Even when there is no change in the outward appearance of your field, stalk rot disease can cost you 5% to 35% of your crop. When stalk rot is bad, stalks break, ears drop, plants may die as though stricken by drouth.

But now, for your 1957 planting, Moews offer seed of improved strains carrying amazing high resistance! New "blood" developed during the last ten years gives a degree of inherent resistance never before equalled!

FREE: Full color folder describes new varieties. Write for it.

MOEWS SEED COMPANY
Granville, Illinois
Indiana Plant at Boswell

...say "maize"
MOEWS
Improved CORN BELT Varieties

LEADERS IN CORN IMPROVEMENT

FARMER PUTS IN 80 RODS OF WOOD FENCE POSTS IN 80 MINUTES!
with SHAVER Hydraulic POST DRIVER

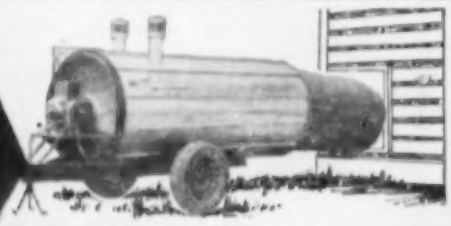
MODELS TO FIT MOST 4-WHEEL and ROW CROP TRACTORS

Now, according to farmer reports, you can do away forever with the sweat and strain of digging postholes and setting and tamping wood posts while fencing. Now you can simply line up the Shaver Hydraulic Driver with your tractor, drive a 4 to 5 inch post in as little as 35 to 40 seconds and move on. Your tractor hydraulic system does all the work and under normal conditions there's no need to point the posts. Drives posts straight and true in any position. Driver is mounted in less time than it takes to set one post by hand.

SAVE MONEY when you buy and while fencing with the one top quality, Low-Priced Hydraulic Post Driver. If dealer cannot supply, write for Free literature and name of dealer near you.

SHAVER MFG. CO. GRAETTINGER, IOWA

BOOST your CORN PROFITS with this Aerovent STAR DRYER



Don't depend on field drying! Pick your corn as soon as it matures, then dry and store it with assurance that it is safe from spoilage. If you sell, you can beat the market by 2 to 3 weeks. Every advantage will be yours with a safe, early harvest.

Check these features

SCIENTIFICALLY DESIGNED HEAT EXCHANGER.

A 5, 7½ OR 10 HORSEPOWER MOTOR DRIVES 36-INCH, 7-BLADE PROPELLER.

STAINLESS STEEL JET BURNER USES NO. 1 OR 2 FUEL OIL.

There's an Aerovent Fan for Every Farm Use. Shown: Model 73281—3 h.p.

GEORGE A. ROLFES CO.

GEORGE A. ROLFES CO.
BOX 548, OGDEN, IOWA
Please Send Me Your FREE Bulletin, "Drying Corn For Profit."
Name.....
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R.F.D. or Street Address
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City Zone State

Well-adjusted picker will pick corn cleaner and save more of it. Ear and shelled corn loss will be reduced. Article below tells how to go about getting your picker in top shape for the coming harvest. Shown is Paul Tlach of Hancock county, Iowa, picking corn last year.

Is your picker ready to go?

Here's what to look for in getting your picker in shape. Tips on operation, too

A CORN picker must be built to handle a wide range of conditions. Normally, your picker will handle average conditions with the standard equipment which the manufacturer supplies.

Before the picking season starts, remove the picker from storage and carefully check it over.

By getting it into tip-top shape, you'll avoid costly breakdowns during the picking season. Here are some suggestions on getting it into shape:

1. Clean the picker thoroly inside and out.

2. Clean out the husk auger and wagon elevator.

3. Clean all the chains by washing them with kerosene. After they're dry, brush them with light oil.

4. Check the fan drive belt tension.

5. Make sure that the faces of the slip clutches are not rusted to cause them to stick. Neither should they be covered with oil or grease to cause them to slip excessively.

6. Check the spacing of the husking rolls.

7. Lubricate the picker thoroly.

8. While doing the lubrication, be on the look-out for any loose nuts or bolts. Make sure the drive chains are tight enough to operate properly.

Check the adjustment of the gatherer chains and drag chains. Any broken or worn parts should be replaced.

Field conditions vary from year to year, day to day, and even hour to hour. Different varieties of corn present different picking problems.

A careful study of the adjustments on your corn picker will enable you to do a better job, and cut your picking losses.

Here are ten general points on picker operation:

1. Pick early. One of the main advantages of a corn picker is its ability to get the work done. By picking early you avoid the troubles and disagreeable features that go with frozen ground, cold weather, and dried out, frozen, and rotten stalks.

2. Take time to do a good job. Unless your yield is very low, you'll need to pick in first gear to avoid overloading the picker. Any higher gear will leave a great number of ears in the field.

3. Travel in the same direction that the field was last cultivated. It's a lot easier than bumping over the ridges.

4. Keep a sharp lookout for deep ruts, rocks, or other obstructions which the gatherer points may strike.

5. Don't overload the wagon. You only use more power and more fuel to pull it around. Keep the wagon wheels well greased.

6. Drive carefully so that the gatherer points follow the rows. No matter how well designed, the picker can't save the ears if you knock down the stalks.

7. Keep all shields and guards in place. Do not wear floppy, loose fitting, clothing. It's a good idea to pull your socks up over your trouser cuffs.

8. Do not use a corn stalk or a stick to clear snapping or husking rolls, while the picker is running.

The snapping rolls were designed to remove ears from the stalk, but they will remove a hand just as readily.

9. Be sure to drain the cooling system at night during freezing

(Continued on next page)

Carry fire extinguisher

(Continued from previous page)
weather, if you have not already protected the system with anti-freeze.

10. A fire extinguisher carried on the tractor is very cheap fire insurance. You may not need it very often, but when you do, you want it right away.

When the corn picking season is finished, the machine should be stored inside if possible. The following suggestions will help you reduce the amount of work that will be necessary next fall to get your picker ready to go.

1. **Store the picker in a clean** dry place.
2. **Clean the picker thoroly, in**side and out. Any dirt or trash left in, will draw moisture, rust steel parts, and rot wood parts.
3. **Remove the fan drive belt.** Clean it; wrap in burlap, and store in a cool dry place.
4. **Clean out the husk auger** and the wagon elevator.
5. **Lubricate the machine com**pletely.
6. **Paint any parts from which** the paint is worn.
7. **Clean all chains by washing** them with kerosene. Dry, and protect with a heavy coat of grease or oil. Chains that can be readily removed, can be easily protected by storing them in a bucket of used crankcase oil.
8. **Inspect the picker again for** any worn or broken parts that need replacement, and order them right away from your dealer. He can give you better service during the "off" season. And once you get the parts, you can install them some rainy day that would otherwise be wasted.

The very nature of the machinery necessary in a corn picker makes it quite subject to "breakdowns." Most of these, however, will be of a minor nature, if you do all that you possibly can to get the picker into good operating condition before you start the season.

VACUUM CLEANER for field use? That's right. An experimental vacuum cleaner attachment for combines can cut losses of forage seeds to a small percentage. The vacuum cleaner operates in the clean stubble area right behind the cutter bar so threshed straw will not interfere with seed recovery.

Play It Safe!

"My luck's ran out,"
Poor Harvey Muses,
"Since I boosted my current
With heavier fuses.
—Beth Wilcoxson

Beat the Cost-Price Squeeze!

BASED ON STATE EXPERIMENT STATION TESTS...

each $1 properly invested in

LION AMMONIUM NITRATE

will return $3 to $4 on the average wheat crop

Other average returns: $3 to $5 on cotton; $3 to $4 on corn; $2 to $4 on small grains.

Here's the way to beat the cost-price squeeze! Extensive tests made by State Experiment Stations and agricultural colleges across the nation bear out the fact that each dollar properly invested in Lion Ammonium Nitrate brings the average results shown above. These results are based on the application of the amount of nitrogen per acre recommended by State Experiment Stations to soil having sufficient phosphorus and potash.

Your dollar, invested in the proper commercial fertilizers, including yield-increasing Lion Ammonium Nitrate, can pay remarkable dividends. Actual costs and gains will depend upon variable factors, *but Lion Ammonium Nitrate, properly used, invariably pays more than it costs.*

Yes, the answer to the cost-price squeeze is to grow *more* on *less* land—which you can do through the intelligent use of fertilizers.

Lion Ammonium Nitrate is a superior fertilizer containing *two types* of nitrogen—quick-acting nitrate nitrogen to get growth started fast, and longer-lasting ammonia nitrogen to insure continued growth. For pre-planting, side-dressing or top-dressing with solid nitrogen, insist on Lion Ammonium Nitrate. Get more for your money. See your favorite supplier for your needs.

A SOIL TEST *is the first step toward the intelligent use of money-making plant foods. See your county agent, vo-ag teacher, or soil conservation leader for advice and assistance.*

LION AMMONIUM NITRATE FERTILIZER is guaranteed to contain 33.5% nitrogen. Special conditioning gives the rounded pellets increased resistance to caking during shipment or in storage. This fertilizer flows freely, spreads evenly. Its uniform high quality is guaranteed.

Lion . . . the Largest Manufacturer of Prilled Ammonium Nitrate Fertilizer in the World, also produces Sulphate of Ammonia Fertilizer and Anhydrous Ammonia.

* * *

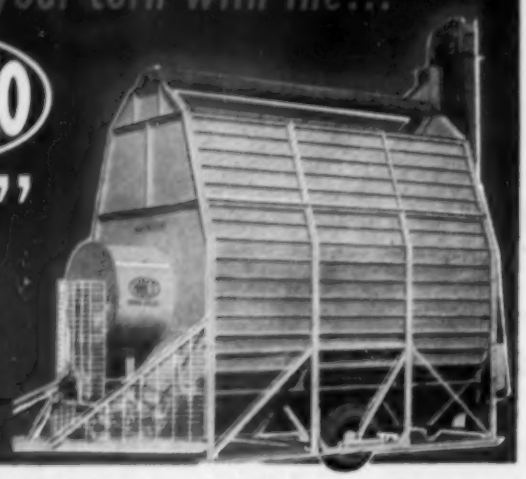
GROW MORE . . . MORE PROFITABLY WITH MONSANTO FARM CHEMICALS

Weed-Brush Killers, Insecticides, Medo-Green® Silage Preservative and Phosphates.

LION OIL COMPANY
A DIVISION OF MONSANTO CHEMICAL COMPANY
EL DORADO, ARKANSAS

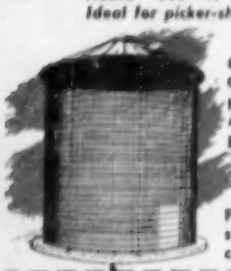
DISTRICT SALES OFFICES: LION OIL BUILDING, El Dorado, Ark. • INSURANCE EXCHANGE BUILDING, Des Moines, Ia. NATIONAL BANK OF COMMERCE BUILDING, New Orleans, La. • 1401 BUILDING, Atlanta, Ga.

HARVEST EARLIER
Save ALL your corn with the...
HABCO
"400"
Recirculating
Grain Dryer



...offering these EXCLUSIVE, EXTRA-PROFIT advantages
●Complete recirculation for uniform drying; wet spots and hot spots eliminated
●100% thermostatic control for complete safety — 20% faster drying

Habco "400" is equipped with LP Gas burner; operates off PTO drive. Ideal for picker-sheller operation.



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all steel galvannealed CORN CRIBS
Featuring new sliding wedge clamp for greater strength, safety and ease of erection. 868-1210-1554 bushel capacities.

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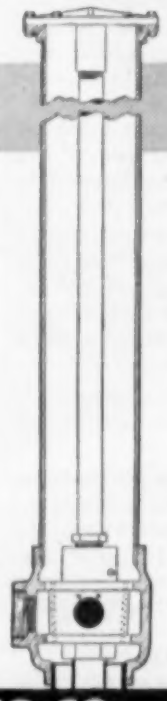
WELL KING
Sanitary Pitless Adapter



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Disease immunity from milk?

Vaccine injected in cows carries thru in the milk, research shows

IT WON'T be long before your youngsters will get their disease immunity from a glass of milk instead of a shot in the arm!

At least that's the opinion Dr. William E. Peterson and Dr. Berry Campbell, University of Minnesota researchers, have come up with after 10 years of study.

These scientists are quick to point out, however, that there's still a lot of work to be done before you'll be able to buy this "protective milk."

But they're pretty well convinced that once their research is completed, it will be possible to immunize humans against measles, smallpox, diphtheria, tuberculosis, streptococcal infections and other diseases thru use of milk.

They believe, too, that this protective principle will apply to diseases caused by certain molds, fungi, pollen and dust, as well as those caused by bacteria and virus.

And altho it's still a long way ahead, these scientists feel sure that it's just a matter of time before milk will be used to provide protection from polio, too.

So far, research has been limited. A small number of cows have been used and the researchers and the graduate students who helped with the studies have served as "guinea pigs" for the tests.

More tests planned

But now a larger pilot herd of cows and a bigger test group of humans is being set up to test this new theory.

How will it be possible for you to get disease protection from milk? Here's a rough picture of how the thing works.

Back in 1946, these scientists set out to study the production of gamma globulin and antibodies in the cow's udder.

After injecting vaccines for disease-causing viruses and bacteria into an udder, they found that the cow quickly manufactured large numbers of antibodies to the injected material.

Result was that humans who drank milk from these cows would build up a passive immunity to a given disease without being vaccinated. And they'd retain that immunity as long as they kept on drinking the milk.

No handling problems

Production of these immunity factors in the cow's milk doesn't present any added handling or processing problems, either.

For example, the milk can be pasteurized and dried without destroying its effectiveness as a vaccine. And that means the public will be able to get it without changes in the method of bottling, manufacturing and distribution.

Production of these immunity factors won't change either the composition or flavor of the milk, these research men say. And no disease producing organisms are introduced into the milk.

What is this "protective milk" theory likely to mean in the future? Chances are it would be possible to protect whole populations from disease, for one thing.

Naturally, humans are likely to be the first to benefit from this research. But if final results are successful, it could reduce or eliminate a lot of hog, cattle and poultry diseases as well.

And when you stop to figure that about 20 percent of all calves born alive die of some type of infection within a few weeks of birth, it's pretty easy to see how "protective milk" could save livestock men millions of dollars each year.

AS MANY WOMEN now suffer from heart attacks as men. Before 1940, studies showed that twice as many men as women suffered heart attacks. Now, the ratio is about one to one. Biggest increase was noted in women over 60 years old.

"How dare you . . . and with my new clothesline rope!"

SAVE YOUR LIFE!

Dangers on the farm aren't always in power machinery or 1,800 pound bulls. A copper wire carrying electricity can be very dangerous—when insulation is gone. Story below is reported by Norval J. Wardle, Iowa State College safety specialist.

PHYSICS class had been especially interesting today, John thought, as the school bus headed out into the country.

"Use the proper size fuse on each electrical circuit", the teacher had said. "Otherwise, you might burn out equipment or cause a fire."

"Tonight I'm going to check our fuses and see if we have all 15-amp fuses in the house like the teacher advised", John thought to himself.

When John got in the house, he asked his mother if the fuses on their light circuits were the right size.

"I suppose so. They haven't burned out for several years."

"That may mean they are too large."

"Don't you worry. They did burn out several times a year or two ago, but Dad got some new ones. He said they wouldn't burn out."

"I remember that. I'm going to check on them now." John ran out to the back porch where the fuse box was. He opened the box.

"The circuit was marked. That helps. Let's see now. Light No. one, light two and three. Here's the range. Whee! That is 35 amps. I'll have to check with the electrician on that."

"Now light circuit one. Gosh, these are 30 amps, so are light two and three. No wonder they never blew out." John pulled out the main switch.

"I'm going to look in the wall here at the wiring." The wall on the porch was part of a cabinet with the light circuit wires going across the back of the cabinet. But the wires could easily be seen when the cabinet doors were open.

John took hold of the wires. The insulation crumbled with the handling and a section of bare copper wire showed thru.

No, there had been no fire in John's home, but it was very near one. It is difficult, in fact impossible, to say when overfusing will cause a fire. That depends on the amount of the overload carried in the wire and the frequency of that overload.

However, it is well to remember that the fire may result even at the time of the first overload.

Usually, however, the first time the large fuse is used, no fire results. Then we think no fire will result if we use the large fuse a little longer. Soon we think the worry about fuses is poppycock and use a large fuse all the time.

There is just one rule with fuses for light circuits—Always use fuses of 15 amperes or less.

HUBBARD'S

You can have beautiful, healthy, full-feathered birds like this—

Avoid barebacks, picked vents and unthrifty hens like this—

IS CANNIBALISM YOUR PROBLEM?

SULFAC

is the answer!...

Hubbard research shows that nutritional deficiency in certain factors is often the cause of feather-pulling, vent-picking, and finally fatal cannibalism. Now Hubbard eliminates this deficiency by including SULFAC in all of its poultry feeds and concentrates.

HERE'S HOW...

This 16½% Protein all-mash is a high-efficiency, *calorie-balanced* ration designed for maximum production (more than 225 eggs a year).

It includes the new factor, SULFAC, to help prevent outbreaks of cannibalism in your flock, keeps birds healthy and full-feathered through long periods of heavy laying.

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100 lbs. Hubbard's Sunshine 37% Egg Concentrate
200 lbs. Ground corn
100 lbs. Ground or whole oats
400 lbs. 16½% All-Mash Layer

This is only one of several money-saving, money-making formulas using Hubbard's Sunshine Concentrate and your own grain.

Ask your dealer for a copy of the new HUBBARD'S SUNSHINE POULTRY MANUAL complete with formulas, feeding and management suggestions, and practical pointers on diseases. Or write TODAY for your FREE copy of this invaluable booklet.

If you have CANNIBALISM in your flock use HUBBARD'S SUNSHINE VITA-AID (A new vitamin-Sulfac Premix) Add 10 pounds to each ton of complete ration

HUBBARD MILLING COMPANY

MANKATO, MINNESOTA — Established 1879 — MARION, INDIANA

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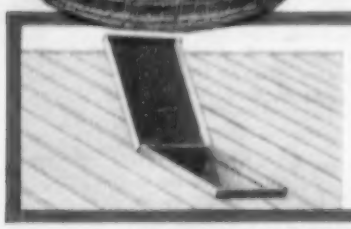
LESS COST PER YEAR with CONTINENTAL Flame Sealed FENCE

Goes up easier— Stays up longer

When you erect a fence you want it "Hog Tight and Bull Strong" . . . and to *stay* that way for life! Continental Fence is the *only* fence Flame-Sealed against rust . . . to actually cost less per year because of its longer life! It's *triple-protected!* First, the copper steel has up to 3 times more rust resistance. Second, the Flame-Sealed process makes a heavier more uniform, tougher shield against rust. Third, the Zinc coating is welded to steel to prevent cracking and peeling. And with Continental Steel Posts to speed erection you have an unbeatable combination. You can't go wrong with a fence so strong!



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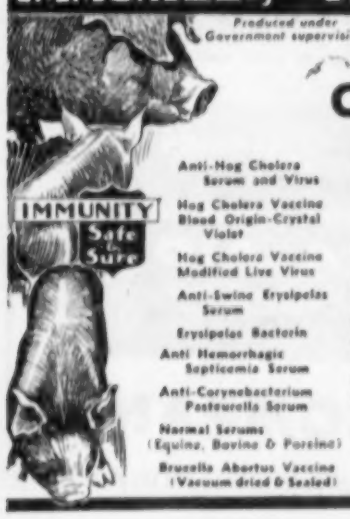

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WHY not use the brand that has given COMPLETE satisfaction for 30 years?

COLORADO Serum and Virus has a trouble-free record for conferring immunity against Hog Cholera—a record unsurpassed anywhere.

The newer COLORADO brand Hog Cholera Vaccines, and the other Serums, Vaccines and Bacterins now produced by this firm are proving to be of the highest standard known to the industry.

SAVE YOUR HOGS by immunizing with both COLORADO Hog Cholera products and with COLORADO Erysipelas products.

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robber rat dies when you **warfarin-ize**

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more MAIL BOX ideas

Photos by Glenn S. Hensley

Inside the fence near this mailbox graze a herd of Brahma cattle, as you might guess by decorative top on this Florida mail box.

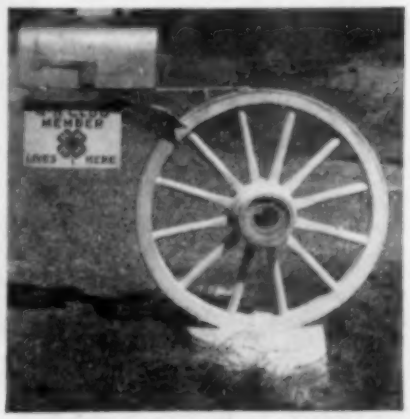
Old hitching post makes attractive support for this mail box.

Tree branched just right for one farmer to use for mail box.

Once this pump supplied water. It's still useful as a mail box support.

This mail wagon once carried mail on a rural route. Now it holds a box to receive mail.

Missouri farm boy with a flair for wood working fashioned this covered wagon design for the family mail box.



Wagon wheel, cement, and welder were used in making this mail box support. Brace for box is a section of plow share, welded to the metal tire of the wheel.

Rural Route Ramblings

BY R. F. D.

EVERY YEAR about this time after Labor Day, I shake my head wonderingly and ask, "Where has the summer gone?" Then I think of a lot of things I had planned to do and didn't . . . and then I map out a campaign for next summer's activities.

EACH YEAR as school starts the exhausted (and surviving) parents of our neighborhood hold a "My, isn't it nice school has started" party. Altho we are all worn out, we manage in our quiet way to have quite a little party.

JUNE AND JULY, the small fry hold out fairly well. But all during August, they are constantly singing the "Gee, I wish there was something to do" blues. And when they do discover something to do, you wish they hadn't.

SO I AM actively campaigning for 10 months of school.

I HAVE resolved to do either one of two things for next summer. (1) not have a garden (this one intrigues me very much), or (2) if I do have a garden religiously attack every weed every day—not every other day because then the first thing you know it is once a week and your garden looks just like mine. And that is something that shouldn't even happen to a weed patch!

MY WIFE insists you cannot tell the difference between my garden and a weed patch. However, very few weed patches have a scraggly tomato or pepper vine every few feet.

ALSO NEXT summer I am going to make a supreme effort and NOT take a vacation during the hottest days of the year.

NOW I THINK that about takes care of next summer. I like to plan things ahead . . . systematic, that's me.

A YEAR from now I will be saying, "Where has the summer gone?" It is a vicious circle.

AH, THE LOVELY melody of school bells, the beautiful sight of little children on their way to school. Parents, relax!

"Fine watch dog you are!"

Now is the time . . .

this is the way . . .

to make up to . . .

400% INTEREST

ON YOUR FERTILIZER MONEY

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AMMONIUM NITRATE

Your best source of Nitrogen in solid form . . . at LOW COST!

Not just one, but TWO kinds of nitrogen in this CO-OP Fertilizer. Nitrate nitrogen acts fast. Ammonia nitrogen is provided for long lasting, continued stimulation of plant growth. Remember: the place to store fertilizer is in *your* soil . . . the time to do it is this fall!

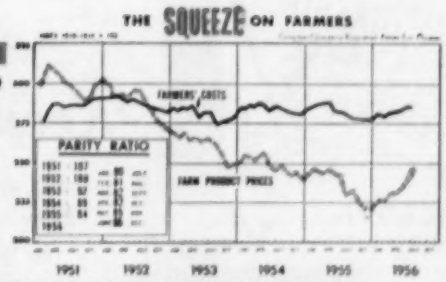
HERE'S WHY:

1. **RIGHT FERTILIZER** . . . Your CO-OP manager will arrange for a soil test—to determine which analysis will make your land most productive.
2. **BEST RESULTS** . . . It's a fact: no other fertilizer of the same formula will produce better results than CO-OP Fertilizer. Highest yield is guaranteed . . . so go CO-OP!
3. **CASH SAVINGS** . . . Five big, modern fertilizer plants . . . all farmer owned and operated for the sole benefit of farmers. No wonder CO-OP cuts the cost . . . puts the cash savings in your pocket!

FIVE FARMER OWNED FERTILIZER PLANTS

"Ease the squeeze"

The extra savings you get with tested, top-quality CO-OP products . . . the patronage refunds . . . help reduce the spread between your costs and the market prices you receive. It's time to go CO-OP!



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FOR
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9 SIZES
500 to 2,850 bu. as low as
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Perfect Corn Storage. Scientific Ventilation

GRAIN BINS
11 SIZES—500 to 4,300 bu.
Reseal Your Corn and Pay Cost of Bins in Less Than 2 Years.
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WANT CHAMPIONSHIP PERFORMANCE FROM YOUR CORN PICKER?

USE
MINNESOTA
HUSKING ROLLERS
Put these rugged championship rollers on your corn picker and see what a difference they make. Write and learn why. National Champion Elmo Redding says, *"I firmly believe Minnesota Rollers are a big asset to any picker."*

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GRAM & WESTERGAARD, INC.
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"Yes . . . I heard that silly rumor that you're being fired. I started it!"

Visits with your vet

Watch Out For Pinkeye

Hot dry winds, dust, weed pollen and insects—all contribute toward pinkeye in cattle.

True, pinkeye is a contagious disease. And it has never been traced to one specific organism. More than one organism may be involved. But irritants like dust, insects and pollen help the disease along.

Dusting infected eyes with antibiotic or sulfa dusts will help. If the animal is in real distress and seems to be going blind, it should be put in a dark stall and treated daily.

What Is Official Vaccinate?

Many questions come in as to what is an official vaccinate in a brucellosis control program.

An official vaccinate is a calf vaccinated by a veterinarian with Strain 19 vaccine at from four to eight months of age.

The calf must be identified and bear a tattoo mark which designates the quarter of the year, a "V", and the year. For example, if vaccinated in February, 1955, the tattoo mark would be 1-V-5.

Official vaccination certificates are then made out. The owner, the veterinarian, the state department of agriculture, and the Bureau of Animal Industry each receive a copy, according to regulations.

In Iowa, this calf may move without being subjected to test for 24 months following vaccination if not pretested before vaccination. If the calf was pretested before vaccination, the calf may move until 38 months of age without being subjected to test.

All calves should be officially vaccinated. Then they can be identified and can move freely. This is very important in view of the market milk laws and the laws governing interstate movement of cattle.

Facts About Chickens

1. Moldy corn is not usually dangerous to chickens.

2. A normal dropping for a bird is a grayish dropping with a white cap well formed. One-half of the dropping may be brownish in color with no white cap.

3. There are many diseases of chickens. They do not need laxatives or medicine without first having the ailment diagnosed.

4. Debeaking is the best cure for cannibalism.

5. Chickens do not sweat. Their respiratory tract is their cooling apparatus.

Keep an eye open for . . .

1. Strange-acting skunks or civet cats in the barnyard. They may be rabid.

2. Young, two-leaf cockleburs after a rain. They are poisonous, especially to pigs.

3. Scouring in pigs. If you notice any of your pigs scouring, check the herd at once. See your veterinarian for advice on treatment.

4. Pinkeye in cattle. Don't let it spread thru your herd before you get started treating it.

FARMERS CONSTRUCTION WORKERS

AND ALL WHO WORK OUTDOORS ARE DEMANDING SERVUS INSULATED, WATERPROOF FOOTWEAR

Rain or shine — hot or cold—the smart man who works out-of-doors wears Servus Insulated waterproof footwear. See them at your favorite dealer. Write for a free brochure showing newest designs in sporting footwear.

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Now MOVE SOIL for only 4½¢ CU. YD.!

THE SOIL MOVER

Now—do all your own soil-moving jobs—easily, swiftly, at amazing low cost—only a few cents per cu. yd! Improved SOIL MOVER, world's No. 1 scraper, soon pays for itself leveling fields, filling gullies, building terraces-dams, maintaining ditches, etc. Wheeled, hydraulically operated, built for lifetime use. Front pick-up, rear dump. Leveling rear-gate spreads or dumps. "Paid for itself the first week! Moves dirt cheaper than any other!"—writes R. S. 7 models—1 to 3½ cu. yds.—sizes for all tractors.

SOILEVLER Levels, then packs the soil. Works in conditions that stop others. New superamic design with extra rigid frame.

SOIL DITCHER 12" square nose cuts perfect U or flat-bottom ditch, 24" to 36" deep. Hydraulic controls. Choice of 3 sizes.

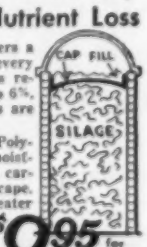
FREE Folder, full details, money-saving prices, name of nearest dealer.—Rush card today!

THE SOIL MOVER CO., Dept. W-9 Columbus, Nebr.
World's Largest Mfgr. of Agr. Soil-Moving Eqpt.

Reduce Silage Spoilage up to 90%
Inexpensive RAVEN Silo Cap Ends Mold, Cuts Nutrient Loss

Your unprotected silage suffers a nutrient loss of 10 to 15% every year. RAVEN plastic silo caps reduce this loss to a range of 2 to 6%. Surface mold and spoilage loss are almost eliminated.

Here's why—the heavy 4-mil Polyethylene plastic silo cap keeps moisture in and air out, but allows carbon-dioxide gas formed to escape. Circular caps are four feet greater in diameter than silo to allow for air-tight bond. Re-usable. Will not freeze or rot.



$8.95 for 12' dia. silo
16' silo 13.95
14' silo 11.95
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RAVEN covers for trench and bunker silos available. Write for prices.

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BOX 227 A SIOUX FALLS, S. DAK.

McCulloch CHAIN SAW Heavy Duty Model

One Man Size. Plenty of power to fell and buck trees in a matter of seconds! 3 models, with blades from 14" to 36". *Ask your dealer, or write for illustrated bulletin.*

POWER TOOLS, Inc. 1731 University Ave. St. Paul 4, Minn.

On mastitis treatments

Dairymen need to watch more carefully the sale of milk from quarters treated with antibiotics.

In several states, milk has been tested at milk plants and has been found to have a high antibiotic content.

You should be very careful in choosing drugs for treating mastitis and in their use. Milk from treated quarters should not be sold or used for human consumption for 72 hours after treatment.

Another Test For Dwarfism

Research scientists continue their search for a test for dwarfism in cattle. And they're making progress.

Scientists in Ohio and New York have been testing for the nucleic acid content in tissues of dwarfs. Dwarfs have been testing low in nucleic acid. But clean animals have high amounts.

This work was done in mice. More research in cattle is needed before this method can be proven practical.

Don't Buy Rhinitis With A Boar

Rhinitis is widespread in the hog industry. It is difficult now to tell where to find rhinitis-free herds.

Apparently, the disease in well-managed herds does not cause economic losses as far as gains are concerned. But if management and nutrition slips and other diseases are prevalent, rhinitis can wreck a herd.

Boar buying time is just ahead. Watch for signs of rhinitis. Try to get a boar from a rhinitis-free herd.

Check On Bull's Fertility

If a bull fails to get cows settled promptly, the next calvings are delayed. This can be a real money loss.

That's why many ranchers have all bulls checked for fertility before they are added to the herd. If your bulls have too many repeat services, have your veterinarian check your bull's semen for fertility.

Many diseases can keep a cow from getting with calf. But whatever the trouble is, it pays to find out the cause.

"Well, I hope you shot the rat this time. I'm tired of chicken."

ANNOUNCING Peebles' "SHARE-THE-HEALTH" (AND THE WEALTH)

PREMIUM OFFER

FOR FLOCK OWNERS!

FAMOUS EVENING SHEER

51 gauge, 15 denier, first-quality, full-fashioned nylons!

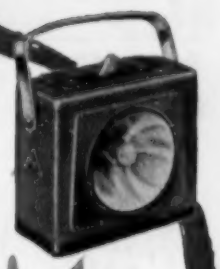
A pair and a spare, $2.10 Retail value, yours for only $1.00

plus two "seal of quality" emblems cut from the tops of Peebles' 50-lb. Whey Block cartons.

Stockings are neutral shades with attractive seams . . . for day or night wear with any outfit. *Please state size when ordering.*

GET THIS GENUINE DELTA JET

World's finest flashlight lantern



Husky, all-steel and handy! Snap switch, bright spotlight, fits your jacket pocket with hardly a bulge or clips to your belt for walking or working at night. (Less batteries.)

$1.50 Retail value, yours for only 75¢

plus two Peebles' "seal of quality" emblems cut from 50-lb. cartons.

$1.75 Retail value Yours for only . . . 50¢ and two Peebles' seals.

This revolutionary, new Mapco aluminum-coated ironing board cover saves valuable work time . . . is scorch-resistant, stainproof and waterproof. Adjusts to fit your ironing board. Heat reflection speeds ironing, saves time and electricity.

HERE'S ALL YOU DO:

Get Peebles' moist, appetizing Whey Blocks from your feed dealer. Cut the "seal of quality" emblem from the top of each box. Send two of these seals, together with the amount of money specified, for each premium you want. Address envelope to: Peebles', Box 739, Appleton, Wis. Order as many premiums as you like . . . but get your Peebles' now. Offer expires Nov. 30, 1956.

(Offer void where prohibited, taxed, or otherwise regulated by law.)

CASH IN ON THESE PREMIUMS TODAY!

You "SHARE THE WEALTH" while your birds "SHARE THE HEALTH," when you feed moist, appetizing Peebles' whey

Nature puts something in milk by-products that science has never duplicated . . . a health-giving "magic" that wards off many flock-raising troubles . . . helps settle pullets at housing time.

Peebles' Whey Blocks concentrate this "magic." They contain important milk nutrients from condensed whey products and are enriched with health-promoting vitamins.

Result is a moist, appetizing Whey-Vitamin Block that birds eat eagerly. They help themselves to health right from the self-feeding carton.

You soon see a difference as birds get the benefits of highly concentrated whey nutrients like milk sugar. It soothes upset digestive systems — helps overcome unfriendly organisms. When medication is necessary—such as vaccination or worming—Peebles' wards off setbacks, keeps appetites sharp.

Important, too — Peebles' is rich in the whey factor and other milk nutrients so vital to layers condition and good health. And it's highly concentrated — economical to feed.

Get Peebles' from your local feed dealer and collect a two-way bonus this fall. Profit from healthier birds and enjoy the benefits of Peebles' premium offer.

WESTERN CONDENSING COMPANY
Appleton, Wis., San Francisco, Calif.
World's Largest Producer of Whey Products

No. 144

LET CROPGARD WHEEL AWAY YOUR CROP-DRYING PROBLEMS

START NOW!

1. Fill dryer with grain or corn
2. Hook to tractor PTO
3. Light the oil burners
4. Cropgard dries all the grain
5. Shut off burners and cool grain with fan
6. Unload grain with the PTO operated hydraulic hoist

FINISH FAST!

BIG DRYING CAPACITY guaranteed! Dry crops faster, safer, easier with Cropgard. 135 bu. small grain, 100 bu. shelled corn per hour, guaranteed, at operating cost of less than 2c per bu.

COMPLETELY PORTABLE. This is the only dryer than can be moved when loaded. Saves extra time, expense and handling. Operates on tractor P.T.O. No electricity, bins, buildings, ducts needed. Built-in hydraulic hoist makes unloading simple.

HALF THE COST of other big-capacity dryers. The selling price of Cropgard is *much lower* than other dryers with comparable drying capacity. In addition, Cropgard has many "bonus" features.

Cropgard is A.S.C. (P.M.A.) Financed.
Write or phone for picture bulletin.

CROPGARD FARM DRYER
A Product of LAKESHORE MANUFACTURING COMPANY
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ALL BLUE RIBBON WINNERS!
U.G.F.* in DEHY Made the Difference!

*Unidentified

Growth Factors in DEHYDRATED ALFALFA

If livestock are your livelihood, put extra profits in your feed program with DEHY . . . nature's own vitamin-mineral-protein concentrate. DEHY provides all these essentials including important amino acids, plus unidentified factor(s) animal nutritionists have proved produce additional growth in livestock!

*For Faster, More Profitable Gains and Lower Feeding Costs . . . Include A·D·A**Produced DEHYDRATED ALFALFA in Your Feed Program!*

Send for your FREE copy of WHEN, HOW and WHY to Feed DEHY to Your Livestock!

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Send address of my A.D.A. producer & a free copy of your new book on feeding DEHY to:
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138%

IN FORD TRACTORS!

Watch the work fly!

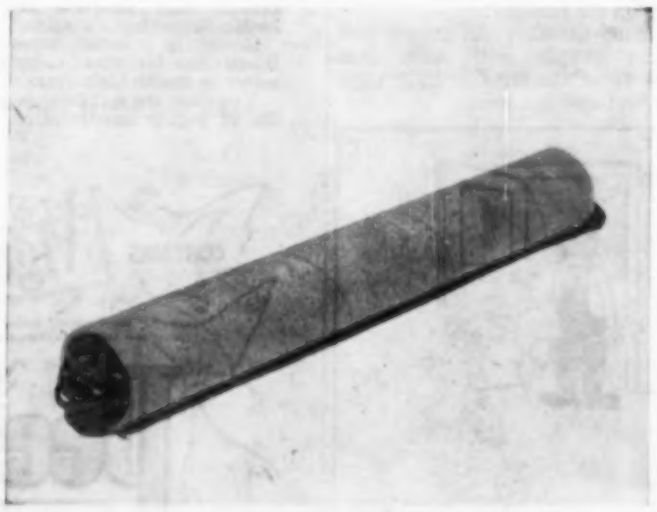
Yes, in 9 years Ford Tractor power has more than doubled. That's why new Ford Tractors are a powerful buy—yet easy on your pocketbook. Eleven models to choose from. See them!

Don't wrap the electric cord around a hot toaster or flatiron—it may harm the cord or weaken the insulation. Let the appliance cool before you store it to prevent heat damage.

Treat electric cord with care

Try these hints. They'll make cord last longer, help prevent accidents

Electric cords will last longer if you'll take hold of the plug when removing it from socket. Jerking cord to disconnect plug may cause wires to loosen and short, causing fire or injury.



Heavy cardboard mailing tube or other container provides good place to store extension cords. Avoid making sharp bend in cord—it may break or damage both wire and insulation.

Taking risks on hog cholera?

No bad epidemic of hog cholera since vaccination became general practice

LOTS of farmers think hog cholera is no longer anything to be scared about. In the last few years, many have not vaccinated for cholera and got by all right.

It does appear that cholera is not the threat it was in the days of the pioneer farmer. "Hog burying" in those days will never be forgotten by older farmers.

Many times cholera would strike a herd, and the farmer would have only a half dozen hogs left. Old and young hogs died with the disease.

In 1896, about 13 percent of all of the hogs in the country died with cholera, according to government estimates.

Again in 1913, about 10 percent of the U.S. hog population was wiped out by the killer.

But after 1913, use of anti-hog-cholera serum became quite general. And there has been no epidemic since that time to compare to those in 1896 and 1913.

But hog cholera is still present. And it's still probably the greatest disease threat for hogs. Prevalence of the disease is indicated by a Wallace-Homestead poll of Iowa farmers.

Farmers were asked this question: "In the last five years, has there been a serious outbreak of hog cholera in your neighborhood?"

Answers were "yes" 9.4 percent. "No" 90.6 percent. Almost one neighborhood out of 10 had had a serious cholera threat in the last five years.

So cholera is still present in Iowa herds. And as long as the disease is present, the possibility of bad attacks like in 1896 and 1913 can't be ruled out entirely.

What are Iowa farmers doing about it? What percent protect their hogs by vaccination? This question was put to farmers in the poll.

"Did you vaccinate your hogs for cholera in 1955?" Here are the answers:

Did vaccinate	**60.6%**
Did not vaccinate	**39.4%**

When farmers were asked about their intentions for 1956, some increase in use of cholera protection was indicated by the answers:

Have or will vaccinate	**62.7%**
Will not vaccinate	**33.5%**
Undecided	**3.8%**

Thus it appears that about one-third of hog raisers are taking their chances on cholera outbreaks which might strike their herds.

Why this confidence that cholera will not strike?

A Carroll county, Iowa farmer says: "We don't need to vaccinate around here any more—but we watch it pretty close."

The idea seems to be that years of vaccination have so far eliminated the disease that the preventive is not necessary. The same idea is probably back of this statement from a Poweshiek county farmer.

"We haven't vaccinated for years and have had no cholera, so don't think we will." And an Ida county farmer says: "We just vaccinate for erysipelas."

But a Kossuth county farmer said "My neighbor had cholera in his hogs last year. He'd found that years of vaccination has not ended the cholera threat.

And an elderly Mahaska county farmer said: "Yes, I vaccinate. I can get my pigs vaccinated for 65 cents each, so I can't risk not vaccinating."

This man regards vaccinating as insurance. For 65 cents he is protecting an investment in feed and labor of $12 to $30 or more, depending on the size of the pig or hog.

"Yes" I vaccinated for cholera last year and will vaccinate this year" said R. A. Knupp Washington county, Iowa, hog raiser. Knupp had about 40 sows to farrow last fall, will keep the same number this fall.

Most of the farmers who vaccinate reason that this is a reasonable cost to pay for disease protection. Loss of one crop of pigs in 30 years could be more costly than yearly vaccination.

Of course the reason one-third of farmers take their chances and don't vaccinate is the apparent belief that many years of vaccination have weakened the cholera germ, or made the occurence of the disease highly unlikely.

There is no one who would say however, that cholera epidemics couldn't come again. We still have the very same disease. And hogs die with it every year.

It's to be hoped that vaccination will not be neglected to such an extent that the cholera epidemics of 1896 and 1913 will be repeated.

KILL CANADA THISTLE

after harvest . . . with

Apply now for clean ground next spring

American Cyanamid Company's Amino-Triazole Weedkiller kills thistle *without* interfering with your crop schedule. You can apply it *after* harvesting any field crop—wheat, peas, oats, etc.—or hayland in last year of use. *One application has given better than 90% control!* Amino Triazole actually enters the plant, kills leaves *and* roots. Here's how easy it is to use:

Three simple steps

1. Mow or plow under old thistles. After mowing or plowing, new growth will come up. Application should be made on actively growing thistle.

2. Wait 'till new growth reaches 4" to 10" in height.

3. Spray American Cyanamid Company's Amino Triazole Weedkiller. Use rates, gallonages listed inside container and in free leaflet available at your dealer's. Use power sprayer for full coverage, hand sprayer for spot treatment. Apply up to 2 weeks before frost is expected. Wait 2 weeks before disturbing treated area.

Amino Triazole also kills Sow Thistle, Quack Grass, Volunteer Alfalfa, Russian Knapweed, Poison Ivy and Oak, Prickly Ash, Bermuda Grass, Nut Grass, Cattails and Tules.

CYANAMID

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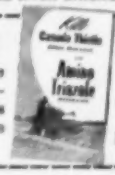
AGRICULTURAL CHEMICALS DIVISION — 5025 PATTISON AVE., ST. LOUIS 10, MO.

Free Leaflet

"Kill Canada Thistle afterHarvest"-available at your dealer's or write to one of the addresses above.



Name .....

Address .....

State .....

Remember the young farm wife who wrote that she failed to make friends in her community?

"DON'T WORRY about children when they go to school" farm women answer "disillusioned wife." "Children have open and unbiased minds about forming friendships. Adults should follow their example."

Farm women say that . . .

You must be friendly to make friends

Good Philosophy

I DON'T see anything wrong with any personal traits you revealed in your article. I think that you have fine ideals and should continue to work in your community to better it.

I had the same type of experience that you report, but I have picked up some good philosophy that has helped me thru the years. It may help you.

Learn to accept people for what they are worth. Enjoy them if you can. If you can't—forget them.

Be pleasant and friendly—don't look for a slight. If you do, you'll find it.

Don't worry about other children being unkind to your children. Children are generally open minded little persons; they adjust themselves and get along with their school mates. They have their quarrels, but they don't last.

Keep on good terms with the teachers. Co-operate with other members of the P.T.A. Help your children, but don't push them.

Let's face it—nearly all club meetings sometimes develop into gossip sessions. Very few people resist an occasional tidbit of scandal. But you don't have to take part.

Happiness is found in your work, keep your sense of humor and be as friendly to everyone as possible and you'll get along.—Mrs. H. H. W.

Friends in Town

The disillusioned farm wife put into words what I have found to be true but never mentioned. I married a farmer and moved into his community. Altho I knew nothing about farming, I am able to do outside work as well as any one in our community. Yet I have never been made to feel one of them.

After 10 years of farm life, I find it a very stimulating and busy life, which I enjoy tremendously. But my friends are still in town. I have found that rural people do not take to outsiders, and I am gradually becoming adjusted to the fact.—Mrs. W. S.

Farm Women Shy

Your story could easily be mine, except that I was farm raised. I started my "marriage career" 15 years ago with high hopes of being one of the group. But after all this time in one neighborhood and having four children, I still don't "belong".

I think that many rural women are shy or too insecure to talk to or welcome a newcomer to their group. I've seen talented women come to entertain or to speak to our community groups, yet they sit alone during the social hour.

But in every group, there are a few women who feel as you do—who are interested in other things than gossip and household tasks. Sometimes it's hard to locate them, but they are there. You may not be a member of the group, but you can find companionship.

As your children get older, cars and good roads make it easier to get into groups that interest you. In a few years, you'll have so many activities you'll wonder why you ever felt you were left out.—Mrs. R. G.

More Than Half Way

Maybe the disillusioned wife came into her community with the idea that farm folks wouldn't have anything in common with her. People sense these things without a word being spoken. And of course they resent it.

At the age of 60, I came to a strange community. I found that you have to go more than half way to make youself have interests in common with your neighbors. You have to talk about the things they are interested in—not the things that interest you. That will come later if you play your part right.

Your children will fit into school easily. If you'll get interested in school functions like P.T.A., soon you'll find yourself accepted. You may be more capable than your neighbors, but it's better not to show it—let them find out.

The Golden Rule

How can the disillusioned wife make herself accepted in her community? She must first let them know she wants them as friends—she may even have to make the first move.

In my own community, we welcome newcomers and invite them to our Home Project meetings. Some accept, but some do not. But we expect the newcomers to do their part in the community too. It's all a part of the Golden Rule.—M. G.

Develop Patience

"Disillusioned wife" is so young, her problems that loom as gigantic obstacles now will diminish with experience and understanding. She's trying so hard to push things that need time to develop.

Her neighbors ignore her—perhaps they're busy, tired, shy or not gifted socially. It may take time for her to find this out. But let her need help, she'll find that many of her neighbors who seemed to resent her will be on hand to assist. Each person makes her offer of friendship in a different way.

This young farm wife needs to develop patience and friendliness.—Older wife.

New 4½-pound Bisquick box saves you over 10%

ECONOMY SIZE MAKES ALMOST TWICE AS MANY BAKINGS, TOO!

So many of your letters suggested an economy-size Bisquick. So we made it—a 4½-pound box that really is thrifty. Saves you over 10%! Almost doubles the number of good things you can make! Our new bigger Bisquick holds about 18 cups compared to 10 in the regular size. That's the difference between 14 *delicate* velvet crumb cakes, for example, and 8. Or nine big old-fashioned shortcakes, and 5. Buy the economical 4½-pound Bisquick, next time.

"I think you'll love bigger Bisquick for its convenience as much as its thriftiness! This generous box is so handy for fixing good things for everyday meals—simply wonderful when you're cooking for a crowd. And whether it's the farm club or church circle you'll be proud of everything you make with Bisquick."

Betty Crocker of General Mills

Bisquick...now in 3 sizes!

To Wear All Winter

Patterns are 30 cents each, coin preferred. Order your copy of Basic Fashions for fall and winter, 1956. This book contains practical fashions for all sizes. It costs 25 cents. Address your orders to Pattern Department, Wallace's Farmer and Iowa Homestead, Des Moines, Iowa.

No. 8309. Pretty little tie-on aprons that make wonderful gifts. Have ready for the holidays. Sizes 12, 14, 16, 18, 20; 40, 42. Size 14, top, 1 yard of 35-inch, ½ yard contrast; center 1 yard; bottom, 1⅛ yards, ⅝ yard contrast.

8309
12-42

No. 1451. Just the way Teens like a new jumper—simple and smart and nicely detailed. This one can double as a date frock. Sizes 10, 12, 14, 16. Size 12, 4⅝ yards of 39-inch.

1451
10-16

8410
3-8 yrs.

No. 8410. Nice enough for parties—practical for school-time. Exciting puff sleeved dress with fitted midriff. Sizes 3, 4, 5, 6, 7, 8 years. Size 4, 1⅞ yards of 35-inch; ¼ yard contrast.

No. 1497. Neatly tailored classic to flatter the shorter, fuller figure. Sizes 12½, 14½, 16½, 18½, 20½, 22½, 24½, 26½. Size 14½, 4⅝ yards of 35-inch.

1497
12½-26½

8415
32-46

No. 8415. Particularly lovely for dress-up wear. A lace-trimmed afternoon style with short or below-the-elbow sleeves. Sizes 32, 34, 36, 38, 40, 42, 44, 46. Size 34, short sleeve 4¼ yards of 35-inch; ⅝ yard contrast.

8371
34-48

No. 8371. Certain to win applause on each appearance is this lovely feminine two piecer that comes in a wide size range. Sizes 34, 36, 38, 40, 42, 44, 46, 48. Size 36, skirt, 2⅞ yards of 35-inch; jacket, 2⅝ yards.

FREEZERS

Sold - Serviced and on display at the following G-E authorized dealers

IOWA

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Oehler Bros.
ALGONA
North Iowa Sewing Machine Co.
AMES
Goodyear Service Store
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BLOOMFIELD
Hawkeye Hardware
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BROOKLYN
Y & M Hardware

CHARLES CITY
Meusel Hardware
CHEROKEE
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COLFAX
Barrett Radio & TV

DAYTON
Hanson Electric
DYERSVILLE
Schermann's Implement & Appliance

EAGLE GROVE
Brauman Refrigeration
EPWORTH
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Jamison Electric
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Tama Electric
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WASHINGTON
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ILLINOIS

ELIZABETH
Gerkman Motor Sales

New 18-cubic-foot G-E "Book-Shelf" Freezer

Puts twice as much food within easy reach as a chest freezer!

ONLY
$449.95*
*Distributor's recommended retail price.

See this and other sensational freezer values at your G-E dealer's

HOLDS 640 POUNDS

This new G-E "Book-Shelf" Freezer (that keeps food as easy to reach as books on a shelf) is one of the greatest freezer values on the market. Compare the cost . . . even with *chest* freezers of comparable quality and size!

Stores as much as an 18-cubic-foot chest, yet takes only half the floor space. And there's no bending, no rummaging, no lifting . . . *none* of the disadvantages of a chest.

Gives you famous General Electric dependability, new G-E straight-line design plus all this:

- **8 refrigerated surfaces, not just 4 "cold" walls**
- **Frozen juice can dispenser; holds 20 cans**
- **Automatic interior light**
- **Ice cream conditioner; holds 4 half-gallon packages**
- **Big sliding basket for odd-sized items**
- **7 extra-wide and deep door shelves**
- **10-position temperature control including "off"**
- **Safe-guard alarm system**
- **3-year warranty against food spoilage**
- **5-year warranty on refrigeration system**

Available in beautiful G-E Mix-or-Match colors: Canary Yellow, Turquoise Green, Petal Pink, Cadet Blue, Woodtone Brown—or White. See your General Electric dealer for exact terms.

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GENERAL ELECTRIC
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Amazing...your saving when you buy him

OshKosh B'Gosh

THE WORK WEAR HE WEARS LONGER!

Wives who know values will tell you Oshkosh B'Gosh gives you more man hours of wear for the money! Tougher, more wear-resisting fabrics, stronger seaming, better fit and complete washability ALL count up to less money per year you have to spend on work wear.

Matched Suit Sanforized Super Twill, choice of tan, steel, cocoa, charcoal, air force blue, forest green, dark green. Shirt has twin flap pockets, dress collar and cuffs. Available with either buttons or snap fasteners. Sizes 14-20. Pants have heavy duty zipper, reinforced strain points. Sanforized pockets and waistbanding. Sizes 29-50.

Bib Overalls Oshkosh special "Sta-blu" Denim, Sanforized. Generously cut for action-fit. Sizes 30-54. See your Oshkosh B'Gosh dealer for these and other money-saving, "more wear" values. Or write us for your nearest dealer.

OSHKOSH B'GOSH, Inc., Oshkosh, Wisconsin

For over 60 years... The world's best work wear

RECIPES using pumpkin seem to go hand in hand with the cool weather of fall. Below is a recipe for a pumpkin pudding that is delicious and easy to prepare.

Cookery corner

Pumpkin-Nut Pudding

- ⅔ cup sugar
- ½ cup fine dry bread crumbs
- ⅓ cup chopped nuts
- ½ teaspoon salt
- ¼ teaspoon ground ginger
- ¼ teaspoon ground cloves
- ½ teaspoon cinnamon
- 1 egg separated
- 1 cup cooked or canned pumpkin
- 1½ cups milk
- 2 tablespoons melted butter

Combine sugar, bread crumbs, nuts, salt and spices. Beat egg yolk. Add pumpkin, milk and butter. Add pumpkin mixture to crumb mixture. Beat egg white until peaks are formed. Fold in the pumpkin-crumb mixture. Pour into eight well-greased custard cups.

Bake in a slow oven (325 degrees) until a knife inserted near center of puddings comes out clean (about 50 or 60 minutes).

Serve with whipped cream, topped with candied cherries or nuts, if desired.

Apple Cake

- 2 cups sifted flour
- 2 teaspoons baking powder
- ½ teaspoon salt
- 4 tablespoons butter
- ¾ cup milk
- 1 egg beaten
- 2 cups thinly sliced apples
- ⅓ cup sugar
- 1 teaspoon cinnamon

Sift the flour, baking powder, and salt together. Cut the butter into the flour mixture. Combine the beaten egg and milk, and pour into the flour mixture. Stir to make a soft dough. Turn apples into a greased nine-inch cake pan. Mix sugar and cinnamon, and sprinkle over apples. Bake in a 350 degree oven 30 to 40 minutes. Serve warm, fruit side up, with plain cream or ice cream.

Old Fashioned Molasses Cookies

- 5 tablespoons hot water
- ½ cup lard
- ¼ cup butter
- 1½ cups molasses
- 4 cups sifted flour
- 2 teaspoons soda
- ¼ teaspoon salt
- 1½ teaspoons ginger
- ½ teaspoon cinnamon

Heat water, lard and butter in two-quart sauce pan till shortening is melted. Take from heat and stir in molasses until well mixed. Let cool.

Sift flour, soda, salt and spices together. Add about half to shortening and molasses, and beat until smooth. Add remaining flour, and mix well. You will have a very soft dough. Refrigerate at least an hour.

Divide the dough in half, and roll on a lightly floured board or cloth to about one-fourth inch thick. Cut with a large round cookie cutter.

Arrange on a greased cookie sheet. Sprinkle with granulated sugar, and bake at 400 degrees about 10 to 12 minutes. Watch carefully, and take out the minute the cookie springs back when you touch the center with your finger. Molasses cookies burn easily.

Hot Ham Sandwiches

- ½ cup chopped sweet pickle
- ½ cup chopped dill pickles
- 3 tablespoons pimentos
- 1 cup grated American cheese
- ⅓ cup mayonnaise
- 4 slices bread
- 4 thin slices baked ham

Mix the pickles, pimentos, cheese and mayonnaise together. Butter the bread, and place buttered side down in hot skillet until lightly browned. Turn browned side up, and place a slice of ham on each piece of bread. Top with the pickle-cheese mixture. Place under broiler until cheese melts. Serve immediately.

Homemaking Helps

BEFORE STARTING to rip off a shirt collar that needs turning, mark both ends with a pencil where the collar is attached to the collarband. This makes it easy to slip the turned collar in the exact places for stitching. After you've turned the collar, apply press-on tape on the frayed edge on the underside.

ONE TEASPOON of lemon juice added to each quart of water in which rice is cooked helps to keep the grains white and fluffy.

TO GIVE your next custard pie a delicious flavor, pour a layer of maple flavored syrup over the bottom crust before adding the custard.

RAISIN PEANUT butter cookies and fresh rhubarb make a delightful springtime dessert. Cut the rhubarb in three-inch lengths, and cook until barely tender in a small amount of water. Add sugar to taste.

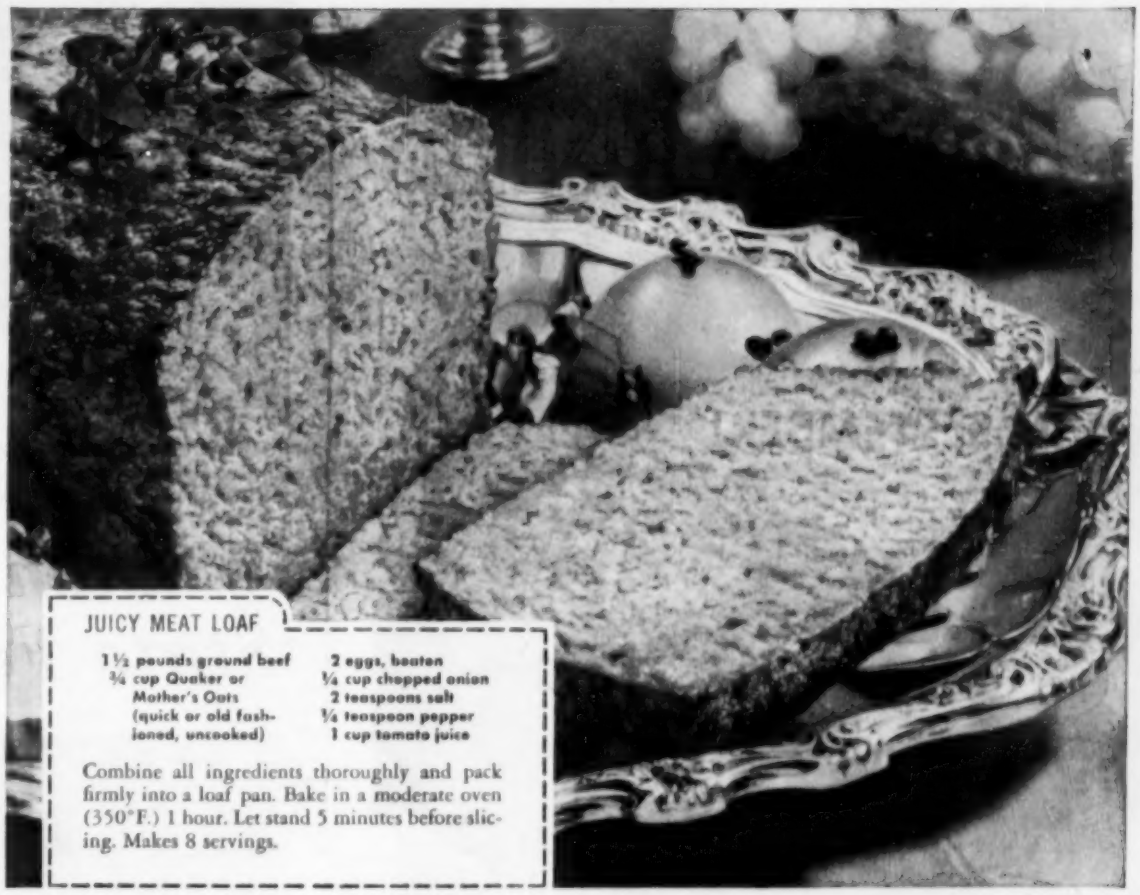
KEEP OIL DUSTCLOTHS in plastic bags or scoured coffee tins to prevent greasy spots on shelves or in drawers. Oily cloths can cause fires so take care where you store them.

IF ICE CREAM is too hard for dipping, let it stand for 10 minutes at room temperature, or place it in the refrigerator for one-half hour before serving.

SERVE DICED PORK sandwiches to that hungry family. Heat the diced pork in a tangy tomato sauce, and spoon between split hard rolls just before serving time.

A COMMERCIAL toilet bowl cleaner will not affect the bacterial action in a septic tank if used no oftener than once a week.

A GOOD COOK, Mrs. Floyd Switzer, Dallas county, Iowa, won first prize on her Burnt Sugar cake at the State Fair.



JUICY MEAT LOAF

1½ pounds ground beef
¾ cup Quaker or Mother's Oats (quick or old fashioned, uncooked)
2 eggs, beaten
¼ cup chopped onion
2 teaspoons salt
¼ teaspoon pepper
1 cup tomato juice

Combine all ingredients thoroughly and pack firmly into a loaf pan. Bake in a moderate oven (350°F.) 1 hour. Let stand 5 minutes before slicing. Makes 8 servings.

High-protein Quaker Oats

adds juiciness to meat dishes– nut-like goodness to cookies and desserts

Quaker Oats and Mother's Oats are exactly the same

Look for China, Carnival Ware, Cup and Saucer, or Aluminum Ware inside the big square packages of Mother's Oats

LOW CALORIE—HIGH PROTEIN BREAKFAST

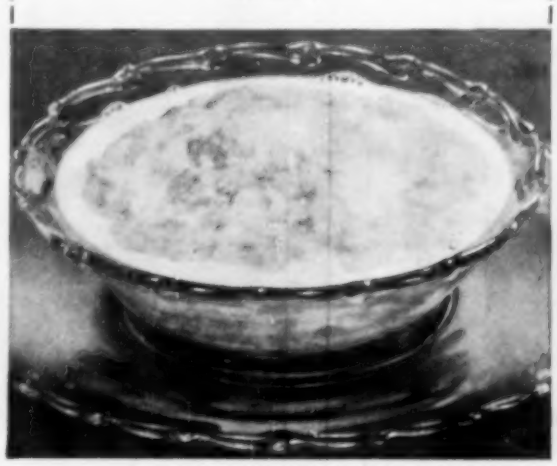
Grapefruit (½)
Quaker Oatmeal (⅔ cup) with ½ cup whole milk, 1 tsp. sugar
White Toast (1 slice) with 1 tsp. butter
Coffee (black)

(TOTAL—LESS THAN 370 CALORIES)

High-protein Quaker Oats supplies lasting strength and energy—cuts down hunger. In fact, whole-grain oatmeal is the *richest in protein* of any leading cereal. A good hot dish of creamy-delicious Quaker Oats gives you 9 grams of protein—yet (weight watchers, please note) only 210 calories.

Note for faster breakfasts: Quick Quaker Oats requires only 1 minute of actual cooking. If you prefer the flavor and texture of old-style oatmeal, try Old Fashioned Quaker Oats.

WATCH "SGT. PRESTON OF THE YUKON" ON CBS-TV



OATMEAL PORCUPINE COOKIES

1½ cups sifted enriched flour
¾ cup sugar
½ teaspoon salt
¾ cup shortening, soft
2 squares (2 oz.) unsweetened chocolate, melted
¼ cup milk
1 teaspoon vanilla
¼ teaspoon almond flavoring
1½ cups Quaker or Mother's Oats (quick or old fashioned, uncooked)
½ cup slivered almonds

Sift together flour, sugar and salt into medium-sized bowl. Add shortening, melted chocolate, milk and flavorings. Beat until smooth, about 2 minutes. Blend in oats.

Shape dough into balls; roll balls in slivered almonds (or insert slivered almonds) to give porcupine effect. Bake on ungreased cooky sheet in moderate oven (350°F.) 12 to 15 minutes. Makes 3 dozen.

Merry Christmas

TO YOU . . .
IN SEPTEMBER!

An automatic heating system using PHILGAS* is a gift of comfort and health for the whole family.

Now, in September, give your family and yourself a wonderful Christmas present! Install an automatic heating system using Philgas and be ready for those first cold days! You can't choose a more practical gift or one that will be more appreciated this Christmas and for years to come. See your Philgas Distributor right away and find out how little it costs to enjoy snug, Philgas comfort.

An automatic heating system using Philgas gives you all the advantages city dwellers enjoy with gas heat. It's completely automatic . . . just set the thermostat and the house is warm and cozy when you get up, even on bitter cold winter mornings. And no overheating, either. Thrifty Philgas keeps your home at a healthful, even temperature . . . no wasted fuel. Philgas burns absolutely clean! No smoke, soot or smelly fumes.

Your Philgas Distributor can help you select the size and type of heater you need, to heat one room or your whole house. Have Philgas installed now and enjoy wonderful comfort, come cold weather.

*PHILGAS is the Phillips Petroleum Company trademark for its high quality LP-Gas or bottled gas (propane, butane).

In the service he offers as well as the products he sells, your Philgas Distributor believes

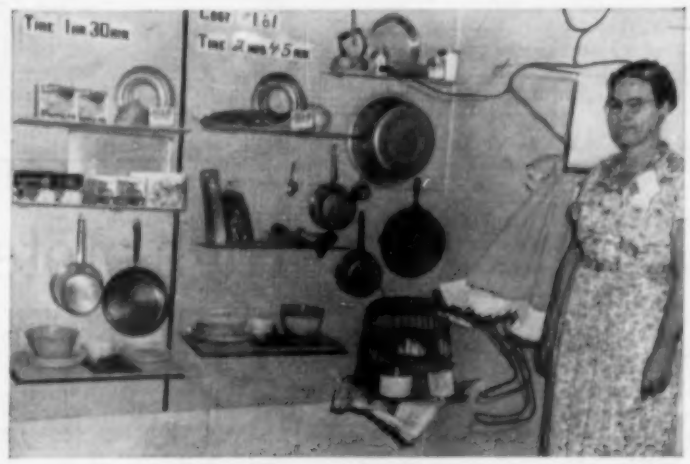
It's Performance That Counts!

Phillips 66 Philgas
THE ALL-PURPOSE FUEL

PHILLIPS PETROLEUM COMPANY,
Bartlesville, Oklahoma

SOME HOBBIES PAY. Ellen Waltz, Montgomery county 4-H Club girl, started dressing dolls for a hobby. Now she designs all her own clothing and plans to attend a designer's school.

Women at Iowa State Fair



HARDIN COUNTY women started with a live rooster in their study comparing time and cost of preparing a meal without modern short-cuts. Mrs. Ray Lake helps with exhibit.

PEEP-SHOW that attracted a lot of interest showed how to save time and energy in everyday life. Planned by women in Mahaska county.

HOME ACCOUNTS and how to manage the family pocketbook was the subject of the Van Buren county exhibit. Mrs. Edna Morris, county extension home economist, and Mrs. T. R. Anderson are in the booth.

"... because mother keeps my shirts and things whiter with Mrs. Stewart's Bluing than with anything else — that's why!"

Ah, the worm turns! You can't wash dirt *out* and bluing *in* at the same time. Mrs. Stewart's Bluing used in the *rinsing* makes a *big* sparkling white difference. Try it next washday.

He switched to save time & money

Frank Wyatt, of Zumbro Falls, Minnesota, has a high producing herd of purebred Holsteins. He is now using new Kendall non-gauze milk filters. Here's why he made the switch to Kendall: "The new Kendall disks are the strongest and fastest disks that I ever used—and they cost less." Better buy a box at your local merchant's and you'll switch to Kendall, too.

THE KENDALL COMPANY, *Kendall Mills Division*, Walpole, Mass.

Modern farm living takes **more water**

Jacuzzi

"AUTOMATIC WATER" is your answer

If you're putting up with an inefficient, undependable pump, better get the facts on a new completely-automatic Jacuzzi jet water system.

Jacuzzi's rugged new jets are designed to modernize your living by delivering up to 35% more pressure and 20% more water than other pumps their size.

And what's more, a new Jacuzzi starts paying for itself right away. Won't pump air while power bills soar. Won't lose prime even on wells to 400 feet. No moving parts below ground to cause trouble. Don't settle for less!

BE CHOOSEY BUY JACUZZI

FREE bulletins
Mail coupon for full details.

JACUZZI Bros. Inc.
4100 Bayless Avenue, St. Louis 23, Missouri
Please send free bulletins and name of my nearest Jacuzzi dealer. Depth to water level at my place is about _____ feet.
Name _____
Address _____

Don't waste apples

IN THE fall, the orchards are fragrant with apples. Instead of groaning over it, get out your paring knife and start peeling.

Windfalls make excellent sauce, pie and apple butter.

For sauce, you'll need: 12 apples, one cup water, one cup sugar, one-half teaspoon of cinnamon, and a small piece of lemon rind may be added if desired.

Wipe, core, peel and quarter the apples. If the apples are rosy cheeked, cook with the peel on. Put the water, sugar and lemon rind into a saucepan and cook five minutes; then add the apples. Cook until tender, being careful not to mash the apples much; remove the lemon peel, sprinkle with cinnamon (if desired) and serve cold.

Who doesn't like apple butter? Take four pints mashed apples, three pints sugar, one cup apple cider and one teaspoon cinnamon. Cook until thick. Stir with wooden spoon frequently; keep flame low to prevent sticking.

Apple butter may be sealed in sterilized pint jars or packed into jelly glasses, allowed to cool, and wax-sealed.

At the first sign of a whimper from the children: "Do we have to eat apple sauce again?" serve them a delicious baked apple for breakfast. Core apples and set them in pan in two inches of water, stem end up, and bake in a moderate oven until partly done. Then sprinkle tops liberally with sugar, cinnamon, and pat of butter. Put back in oven to finish baking.

So long as there is one windfall left, serve that apple in an appetizing way. Have you ever tried Apple Fritters?

2 cups sifted flour
¾ teaspoon baking soda
½ teaspoon salt
2 tablespoons sugar
¼ teaspoon nutmeg
2 eggs, well beaten
1½ cups sour milk
2 tablespoons butter melted
2 cups diced apple

Sift flour once, measure, add baking soda, salt, sugar, nutmeg and sift again. Combine eggs, milk and butter. Add to flour mixture. Beat until smooth. Add apples. Drop by spoonfuls into deep fat, heated to 375 degrees (hot) and cook to a rich brown, turning frequently. Serve hot with syrup. Serves eight.

"No, it isn't dark out .... You've walked into the closet again."

Mrs. E. H. Hildebrandt, Sedalia, Mo., took top honors at the Missouri State Fair with her delicious Whole Wheat Muffins.

Prize-Winning Whole Wheat Muffins

...even more delicious with **Folger's Coffee**

the Mountain-Grown coffee with the rich, distinctive flavor!

Add sunny smiles to every morning with a breakfast bonus of Mrs. Hildebrandt's prize Whole Wheat Muffins ... and a steaming cup of Folger's to make their sweet-wheat flavor even more delightful!

Making good food taste better is a special Folger's tradition — because the rich, delicious flavor you enjoy in Folger's Coffee comes from a unique blend of nature's choicest coffees, Mountain-Grown coffees, that add extra enjoyment to every eating occasion.

Discover for yourself the wonderful difference that Mountain-Grown coffee makes. Serve Folger's Coffee with your favorite foods today!

FOLGER'S COFFEE... IT'S MOUNTAIN-GROWN!
So extra rich in flavor that you are urged to try using ¼ less than with lesser flavored brands.

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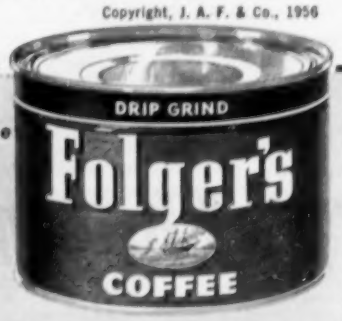
CUT OUT AND SAVE

MRS. HILDEBRANDT'S PRIZE WHOLE WHEAT MUFFINS

. . . delicious with Folger's Coffee

2 cups flour • ¾ cup wheat germ • 5 tablespoons shortening • 4 teaspoons baking powder • 1 tablespoon sugar • 1 teaspoon salt • 1 beaten egg • 1¼ cups milk



Sift flour, measure and sift with the baking powder, salt and sugar. Cut in shortening, add wheat germ, milk and egg, stirring sufficiently to blend well. Drop by large spoonfuls, in well-greased muffin tins. Bake in hot oven, 450 degrees F., 12 minutes. This makes 12 servings.

IT'S THERMOGAS

ALL THE WAY for NATIONAL FIELD DAYS HOMESTEAD

"I certainly like the convenience Thermogas has brought to our home.
"Our gas clothes dryer really saves work on wash day. The gas water heater gives us all the hot water we need for only a few cents a day. Meals are easier to prepare on my gas range.
"Last year we enjoyed Thermogas for home heating and now we are looking forward to another comfortable winter in our newly remodeled home."
Mrs. Ed Slings,
Mitchellville, Iowa

Mr. and Mrs. Ed Slings live in the home which is the site of National Field Days, September 20-21-22.

JOIN THE THOUSANDS OF FARM FAMILIES

WHO PREFER THERMOGAS* or Rapid Gas

FOR BETTER LIVING

EASIER FARMING

Yes, thousands of farm families are enjoying the convenience, dependability, and economy of Thermogas or Rapid Gas.

In the home, Thermogas gives you automatic home heating, new cooking ease, automatic clothes drying, plenty of hot water, dependable refrigeration.

On the farm, Thermogas provides automatic stock water heating, worry-free poultry brooding, low cost tractor operation, combination milk house and water heating.

ED SLINGS CONVERTS TRACTOR TO THERMOGAS

When you visit the National Field Days farm site, be sure to see Ed Slings' tractor, recently converted to LP-Gas. Owners of LP-Gas tractors can save up to $300 per year over other fuels.

*Thermogas (or Rapid Gas) is the preferred LP-Gas service

RAPID Thermogas COMPANY

Rapid Thermogas plants located at: Algona, Allison, Cedar Rapids, Charles City, Cherokee, Clinton, Decorah, Des Moines, Emmetsburg, Grinnell, Mason City, Ottumwa, Pocahontas, Red Oak, Shenandoah, Storm Lake, Washington, Waterloo.

Paste coupon on Postcard and mail today!

Rapid THERMOGAS Company
4509 East 14th Street
Des Moines, Iowa
Please send more information on
( ) Thermogas (or Rapid Gas) for home uses.
( ) Thermogas (or Rapid Gas) for farm uses.
( ) Name of nearest dealer.

TWO PICTURE WINDOWS in the livingroom of the new home recently built by Mr. and Mrs. Harold Howick, Guthrie county, Iowa, offer a good view of their 300-acre farm.

Country air

BACK again and thanks to the women who wrote Country Air while I took my vacation. Shall I talk about "my operation?" Or maybe you have had a better one.

The name alone is staggering—Abdominal aortic aneurism. No, I never heard of it before either. Nobody knows what causes it. I never knew you had an aorta any place but like the pictures in our old physiologies—something that just went northeast of your heart and then ended. But it seems there's more to it than that. Anyway I now have a new abdominal aorta of human tissue grafted to my old one and all trunk lines are functioning as they should.

Even if it did sound a bit on the queer side, everybody thought it was the thing to do. So I did it. It was quite unbelieveable, but it's hardly worth while to be afraid of anything any more. Doctors have perfected many techniques to make us over in an amazing fashion. Not painlessly to be sure.

While I was trying to weather the worst of the pain and realize that I'd been fixed up to go on living, I was assailed by resentment. "What's it all for? . . . I'm not necessary to any one any more . . . It would have been so easy to let me go. . ."

But that's not the way the doctors and nurses looked at the thing. They're dedicated to getting people well. Special nurses! Aren't they wonderful? I'd never been sick enough to have a special before. Why don't more people take up nursing? They anticipate your every need and seem to think you have a right to moan if you feel that way.

By time I was home and walking around the block each day, my resentment wavered and occasional waves of gratefulness came over me. It was nice to sit on the porch and watch the multicolored cars go by. Occasionally an egg or a bite of crisp toast tasted really good. I'd never fully appreciated hot tea before. A hot mid-summer rainstorm smelled as good as it had before I had been immersed in pain. Weather could still be fascinating. People were very interesting in a curious new way. Messages, flowers and friends were tremendous normalizing events in a rather hazy world.

I had long, long thoughts. What if I were going to live to a ripe old age? My word, what a challenge! Would the years continue to be interesting? My boys were in homes of their own. My husband was gone. I wasn't much use on the farm except to keep a wary eye on the markets.

Goodness, but it was easy to get sour on the world. Medicine had its answers to the later years, but what did gerontology say of the economic, social and psychological sides? Convalescence was kind of a pathetic sort of thing. Did you always have to keep up an act?

I finally grew strong enough to drive down to the farm. The corn had been spared from hail and drouth. Tho as grandpa used to say with true pioneer caution "A lot can happen to that corn crop yet." Some pigs were out in the driveway. I got out of the car and helped to drive 'em back. Mostly I just waved a little stick and said "Shoo piggie."

How normal! Why, the world and pigs and corn ticked on as usual. The two six-year-old grandchildren had lost their first teeth. There'd be other milestones ahead. While milestones whizz by and the world continues going around, I'll probably jiggle down by and by into the place meant for me. Maybe it will even be fun to watch how things work out. Wish me luck.

—Elizabeth C. Wherry

HONEGGER Chix ARE BRED FOR...

1. High Egg Production
2. Excellent Livability
3. Efficient Feed Conversion
4. Large, Chalk-White Eggs
5. Uniform, Even Development
6. Superior Shell Texture
7. Outstanding Interior Quality

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WORTHINGTON HATCHERY
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OLSON HATCHERY

Get more CLEAN eggs with NEW NORTHCO Laying Cages
Made by A. R. Wood Mfg. Co.
■ Choose 8" or 10" size ■ Made from 14 ga. 1 x 2 mesh wire ■ Extra slope to cage bottoms insures positive egg roll out and fewer marked eggs ■ Sliding door eliminates hinges and is workable with any deck arrangement ■ Easy to assemble ■ Complete with feeding and water trough, hanging wires and turnbuckles ■ No extra parts to buy
FREE—New Cage Laying Book—Write Dept. W-3
NORTHCO, Inc. LUVERNE, MINN.

YOU CAN GET
ASTHMA RELIEF
More than one-half million have found welcome relief from asthma spasms with AsthmaNefrin*. Quick, safe, easy to use. Pocket-size nebulizer and ¾ oz. Solution "A"* just $6.75. Follow directions for best results. At leading drug stores everywhere or write for *free* leaflet "Questions and Answers about AsthmaNefrin." Address P. O. Box 4319, Portland 8, Oregon, Dept. 25.
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FREE "SEW IT YOURSELF WITH COTTON BAGS"
New, free 24-page idea book for making clothing, household articles, toys and gifts from colorful cotton bags. 1956 Simplicity pattern illustrations. Send postcard to Cotton Council, Box 9906, Memphis 12, Tennessee. Offer expires April 1, 1957.

SEND WOOL to us for FINE BLANKETS. Free information.
West Texas Woolen Mills, 447 Main, Eldorado, Tex.

SLOW DOWN AND LIVE

The Farm Flock

NINE IOWA COUNTIES were among the top 100 in the nation in turkey production in 1954. Ten Iowa counties were in the top 100 in eggs sold in 1954. Iowa had 12 counties in the top 100 in the nation in chickens four months old and older on farms.

▼ ▼ ▼

TOP IOWA COUNTY in egg production in 1954 was Kossuth with 6,204,365 dozen. Value of eggs was $1,748,123. This gave Kossuth county a rank of 35th in egg production but due to lower egg prices than in other areas of the nation, the rank in total value dropped to 59th.

▼ ▼ ▼

BUTLER COUNTY, IOWA, ranked 54th in egg production in 1954. But the total value of the eggs produced was $1,326,090 and was low enough that the county wasn't in the top 100 in total egg income.

▼ ▼ ▼

PULLET EGGS are coming on the market earlier this year. And more yearling hens are being held on farms. This results in more eggs during a period of normal low production. July egg production in Iowa was three percent above a year ago. Egg prices are expected to hold a few cents per dozen below last year thru the late fall months.

▼ ▼ ▼

YEARLING HEN movement from the farms could cut production, and egg prices could improve. Prices thru the winter months are expected to be about the same as a year ago.

▼ ▼ ▼

BROILER CHICK placements are running 15 percent larger than last year in the 22 major broiler producing states. Poultry production for the first six months of the year was 27 percent ahead of 1955 production. For the year, production is expected to be 20 percent over last year.

▼ ▼ ▼

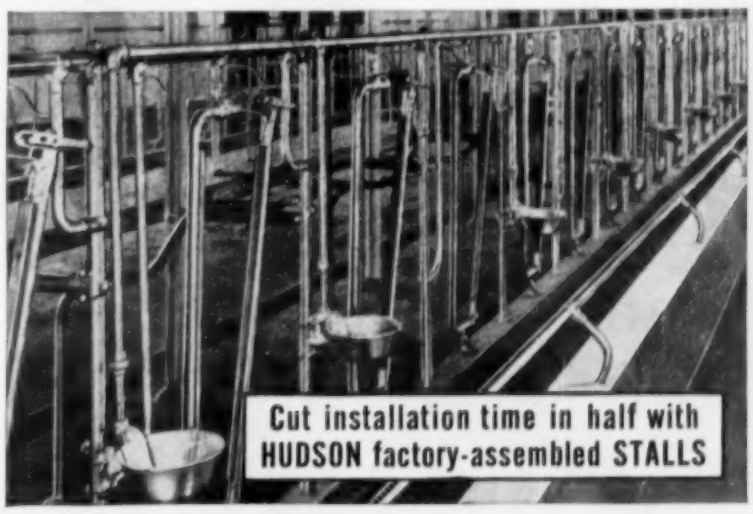
TURKEY PRODUCTION during 1956 is expected to be a record —15 percent larger than 1955. Fewer light birds are being raised, but a larger number of heavy birds more than make up for the cut. Orderly marketing and early storage operations will help maintain current price levels. But a price decline is likely due to the record volume of production.

"Very good, Henry. But the fire is out, and it was the TOOL SHED."

NOW AVAILABLE AT YOUR GLAND-O-LAC DEALER
Chick'n Tee
THE ORIGINAL PIPERAZINE LIQUID WORMER
NO MUSS-NO FUSS
WORM YOUR CHICKENS THIS EASY WAY

This year's egg profits mean more to you! And one of the greatest egg profit robbers is worms. The easy way to eliminate worms in your poultry flock is with Gland-O-Lac's Chick'n Tee in the drinking water. You need no powders — no capsules — no feeds to mix. Just put odorless, colorless, tasteless Chick'n Tee in the water and the birds will drink the worms away.

INSIST ON GLAND-O-LAC Chick'n Tee
A PRODUCT OF THE GLAND-O-LAC COMPANY OMAHA, NEBRASKA



Think of the time and money you save when you get complete, assembled stalls, ready to set in place and use; instead of a pile of parts to figure out and put together! ***That's how Hudson's exclusive "Angle-Anchor" system pays off right from the start.***

Consider the satisfaction of having stalls that last longer, that cost less to own, stay sanitary, save work, and provide unmatched comfort for your stock! ***You get all this when you have HUDSON stalls, because they're built of smooth, high-carbon steel tubing with baked-on aluminized finish.***

And what a pleasure to look down a straight stall line that stays straight ***...all because spacing is correct, to begin with, and controlled by the Hudson "Angle-Anchor" system.***

And still you have your choice of types: continuous square top rail, arch, lever-operated, tie, tandem, lane, walk-thru, panel, or comfort stalls...with variations! ***Your nearby Hudson dealer will gladly assist you in planning and in ordering the best buy for your barn. See him soon.***

H. D. HUDSON MANUFACTURING CO.
589 East Illinois Street, Chicago 11, Ill.

SIGN OF THE BEST BUY

ALSO: FEED TRUCKS • LITTER CARRIERS • PENS • WASH TANKS • BARN CLEANER

Get your money's worth!

Super Flint

WORK WEAR

most comfortable long wearing work clothing you can buy!

You get comfort and long wear—a combination that gives you the best value everytime you purchase Super Flint. All Super Flint work wear are backed by almost 100 years of experience and craftsmanship. Your assurance of getting quality work wear that's comfortable to wear. Ask your dealer about the complete line of Super Flint today.

GUARANTEE
Wear any Super Flint garment for one week, and if you do not agree it's the most comfortable, your money will be refunded.

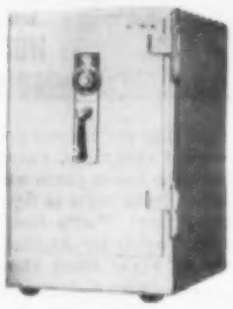
"WEAR-EASE"
All Super Flint overalls feature "WEAR-EASE" suspenders. Light as a feather and absolutely will not bind.

Manufacturers of quality Work Wear for almost 100 years

Super Flint FLINT

by SCHRAMM & SCHMIEG CO., Burlington, Iowa

...and if your records burned up, too?



How could you provide "proof-of-loss within 60 days" as your insurance requires? How could you start again with your stock pedigrees, elevator receipts, crop rotation, tax and inventory records in ashes? Stop risking ruin. Find out how you can protect your records and your personal valuables against fires as hot as 1,700° F. with a PROTECTALL RECORD SAFE. Send coupon for complete details.

Mail coupon for FREE literature

Protectall Safes
Department 954-I, Hamilton, Ohio

Please send me the free PROTECTALL catalog and folder which describes complete, low-cost protection for my farm records.

NAME _____

ADDRESS _____

Limited number of PROTECTALL dealerships still available—write or wire Bahter's today.

Distributed in Iowa through Bahter's Implement and Parts Company, Scotch Grove, Iowa. Dealers throughout the State.

BUY SAVINGS BONDS—THEY WILL HELP YOU LATER—BUY ALL YOU CAN—NOW!

Parachute troops would be used in "brush-fire" wars. But the army wouldn't count in a 10-day atomic battle. (Official U. S. Air Force photo, showing men of 82nd Airborne Division)

What kind of war?

Will World War III be a two day affair with guided missiles and hydrogen bombs? Or will it be like Korea and Indo-China?

As most farmers know, the United States is still spending around $35 billions a year for national defense.

What kind of defense are we getting?

This question involves money, and also national safety. The argument is going on and farmers had better get in on it.

First answer of any farmer is: "Let's not have World War III." Agreed, but most folks think that unless the U.S. is as strong as Russia, we're likely to have a war whether we want it or not.

The hope is that if both nations are equally strong, if either can wipe the other off the map with atomic or hydrogen bombs, neither will use these weapons.

Peace would be a product of fear.

What the United States is now doing is gambling that the next war, if it comes, would be a 10-day affair. Atomic and hydrogen bombs would blast both Russia and the United States.

Our airplane carriers would send bombers over Russia. Our air force would send bombers from U.S. bases and from bases in north Africa and other points. The Russians would strike across the Arctic at our principal airports and industrial areas.

What would happen in this kind of war? Lt. Gen. James M. Gavin, head of army research, was asked by Senator Duff of Pennsylvania.

"If we got into a nuclear war and our strategic air force made an assault in force against Russia with nuclear weapons, so that the weapons exploded in a way where the prevailing winds would carry them southeast over Russia, what would be the effect in way of death?"

General Gavin answered:

"Current planning estimates run on the order of several hundred million deaths . . . depending on which way the wind blew. If the winds blew to the southeast, they would be mostly in the U.S.S.R. If the wind blew the other way, they would extend well back into western Europe."

Russian hydrogen bombs, exploded in the United States, would have a similar effect.

With this prospect of death on a gigantic scale, will either nation dare to attack?

Maybe there won't be any big World War III, if both Russia and the U.S. get ready for it. Perhaps there will be instead a succession of small wars,—Korea, Indo-China, Suez, Burma.

These small wars, if they come, would have to be fought by the army. Then how much army do we need?

Army men believe that the nation is putting all its eggs in one basket, that the U. S. is relying only on airplanes, big bombs and guided missiles. But what happens if the next war is a series of minor affairs, which can be handled only by men on foot or in tanks.

This is what the struggle in the Pentagon is about. Farmers had better get acquainted with it. It may affect both their taxes and their lives.

ATTENTION FARMERS

help promote your own products...

serve dairy foods

You can promote the use of dairy foods by serving them at your local meetings. It's an easy way to join the growing campaign to protect Iowa's health through increased use of dairy foods. At every meeting "set your table" with a variety of dairy products.... And "set the example" for the use of dairy foods.

MAKE IOWA DAIRY CONSCIOUS

IOWA DAIRY INDUSTRY COMMISSION
IOWA DAIRY PROMOTION ASSOCIATION
333 Insurance Exchange Bldg., Des Moines

Voice of the Farm

Interested Only In Peace

To the Editor: In "What two parties stand for," September 1 issue, why was the Democratic party first? The Republican party is in office.

In all the highlights you summarized, you never even mentioned PEACE—the most important of all.

All the wars (three) have been under Democratic administrations. We have a boy 17. We are interested only in peace.—No signature.

We let this letter slip thru. But as a rule, we do not publish unsigned letters. By request, we will withhold names—or use pen names. If, however, you want your letter to be published, give your name, address and county.—Editor.

Courtesy Pays On Phone

To the Editor: When I read your article, "Time limit on telephone calls," I couldn't help thinking how lucky we are.

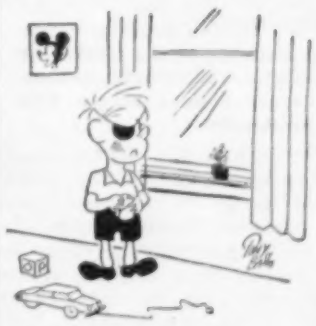
We have good neighbors who can take a hint. If I need the line for a business call and someone is visiting, all I have to do is hang the receiver up noisily. When I go back in a few minutes, the line is mine. They do the same for me, and I appreciate it.

When the operator wants the line, he opens the switch and clears his throat or says, "Did they answer?" To outsiders this may seem rather odd. But we subscribers of the Nevenville Telephone company like it. And since those on our lines are also our friends, we find that courtesy pays double!—Mrs. Wm. E. Hunt, Adams county, Iowa.

Subscriber For 55 Years

To the Editor: I have taken the Iowa Homestead for 55 years or more. And I think it is one of our best agricultural papers.—O. G. Davidson, Adair county, Missouri.

Play It Safe!



For quite some time,
He'll see with one.
Hurt the other playing,
With a BB gun.
—Beth Wilcoxson

NEVER BEFORE . . . SUCH

BIG SAVINGS ON VICTOR CATTLE FEEDS

IT'S THE GREATEST PROFIT-MAKING OFFER TO CATTLE FEEDERS IN YEARS

Your VICTOR dealer is ready NOW . . . to tell you how you can make a BIG saving on your Cattle Feeds. NEVER BEFORE — has there been such a timely feed cost MONEY-SAVING DISCOUNT OFFER as this one.

In addition — you are feeding those famous VICTOR CATTLE FEEDS that have established outstanding year-after-year performance and economy records for ranchers and cattle feeders.

See the VICTOR dealer near you, now. Every day you delay is costing you money.

Universal "Jeep" Model CJ-5 Manufactured by Willys Motors, Inc.

WIN A 1956 UNIVERSAL JEEP OR A FINE STETSON HAT

All you have to do . . . is to suggest a name for the new VICTOR CATTLE FEEDS line. For example: VICTOR BEEF BUILDER CATTLE FEEDS . . . VICTOR TOP 'EM ALL CATTLE FEEDS . . . VICTOR FIRST-FOR-PROFIT CATTLE FEEDS. See how easy it is! Submit as many names as you want. Get your entry blank at your VICTOR dealer or write to THE CRETE MILLS, CRETE, NEBRASKA. There's nothing to buy. There's nothing else to do. There's no obligation. Remember — you can win a UNIVERSAL JEEP or one of 20 FINE STETSON HATS in the popular "Open Road" style. All names must be submitted by November 1, 1956, and the decision of the judges is final. So — get busy, NOW!

THE CRETE MILLS CRETE, NEBRASKA
A Division of the Lowell Seeds Co.

STOCKERS and FEEDERS

THE WESTERN RUN IS ON . . . come to the Omaha Market to purchase your stockers and feeders.

OMAHA has a BROADER SELECTION

Where you'll find on sale stockers and feeders from the western range country. You may buy them out of first hands from a commission firm . . . or have an experienced order buyer or dealer at Omaha purchase them for you.

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PREFABRICATED CORN CRIBS

- EASILY ERECTED IN 2 HOURS
- BUILT SUPER RUGGED

Constructed to really last! Framework of 1½" and 1¼" rail steel angle iron. Siding electrically we'ded, 11-gauge 2" x 4" galv. wire. Heavy galv. roof. Sturdy 6-foot door. No holes to drill.

AVAILABLE 700 AND 1000 BUSHEL SIZES.

NEW MODEL 81 HYDRAULIC WAGON DUMP

- Lifts 5 ton load 6 ft. in less than 90 seconds. Quickly transferred from one wagon to another. Ideal for forage box unloading.

TRAILER MOUNTED DIRECT DRIVE

POWER TAKE-OFF

- Lets you grind or shell any place on the farm.

Eliminates long dangerous drive belt. Fits all hammermills and shellers.

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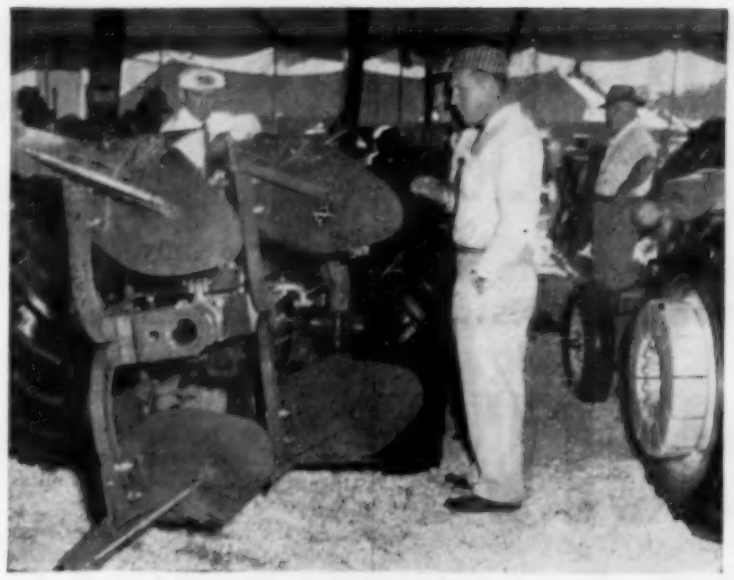
138%

Yes, in 9 years Ford Tractor power has more than doubled. That's why new Ford Tractors are a *powerful* buy—yet easy on your pocketbook. Eleven models to choose from. See them . . . try them. *Watch the work fly!*



Two-way-plow drew attention at the Iowa State Fair machinery exhibit. Back-and-forth plowing fits in with contouring and terracing. Leaves no dead furrows. In the foreground is Donald Halsted of Story county, Iowa. At the right is Ray Johnson of Marshall county, Iowa.

Will machines get bigger?

Trends in farm machinery are noted at Iowa State Fair machinery display

HAS THE trend to bigger and bigger farm machinery slowed down? Will three-bottom plows and four-row planters and cultivators become the most-used sizes?

Farmers were heard discussing that question at the Iowa State Fair farm machinery exhibit.

"Machines are already bigger than the farms" one man said. "A lot of farmers are now trying to get farms big enough for their machinery."

Most farmers agree that three-bottoms and four-row sizes are about the limit unless farms are consolidated and something like corporation farming develops.

But those connected with the farm machinery industry point out that many farmers have yet to convert to the larger machines. As machines wear out, they'll get bigger ones.

So the average size of farm machines will increase, even if the biggest ones don't get bigger. "We're converting farming to the larger machines developed," said the machinery experts "and this will continue for some years."

Farmers at the machinery exhibits talked of many time-savers besides bigger field machinery.

"This new dirt moving equipment is one of the best of the new things on the farm," said a Delaware county farmer.

He pointed out its value for fall jobs. "You can fill wallow holes made by the hogs . . . push dirt up to foundations . . . fill gullies in the fields. . ."

Probably indicating the newest trend in farm machinery and farm practices was the irrigation machinery at state fairs this year.

"That looks good after the summer we've just had" said a central Iowa farmer as he watched a six or eight-inch stream of water flowing from a pump. "But I don't know where I'd get the water."

That's the problem for Corn Belt farmers east of the Nebraska area where the subsoil is full of water.

However, most farmers seem to expect more and more irrigation even in Iowa. Some farmers have sources of water. Others, they think, may find sources of water.

Forage handling methods always hold the spotlight at state fair machinery exhibits.

It appears now that forage making methods for the immediate future are pretty well set.

For haymakers, a successful crusher has been developed which will cut drying time in half. Then the hay is baled right from the windrow.

Or the legume or grass can be chopped for the silo. Some machines chop grass from a standing position. Others chop from the windrow after a short time for wilting.

Either way of handling grass crops saves time and feed over the old fork and hayloader method. And farmers are rapidly changing to the new forage handling methods.

In general, the trends in farm machinery as shown at state fairs this year, are toward labor-saving and crop-saving machines and methods all along the line.

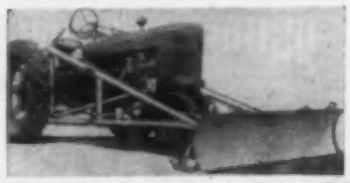
That's not new, of course. It's been the trend since state fairs featured threshing machines and horse-drawn sulky plows. But it's a favorable trend which farmers like.

THE *New* HUMBOLDT HORIZONTAL CUTTER

The Humboldt Cutter, the original cutter, is easy to maneuver, operate and takes care of all cutting and shredding on your farm.

SAVE TIME, LABOR AND MONEY WITH THE PROVEN LEADER . . . HUMBOLDT . . . THE RECOGNIZED CUTTER! WRITE FOR COMPLETE DETAILS OR SEE YOUR DEALER.

it's a snap HUMBOLDT Snap-Tach LOADERS



Drive In--Snap-Tach-Drive Off

Seeing is believing — Farmers are amazed at the simplicity of the NEW HUMBOLDT SNAP-TACH LOADER. Time taking, back breaking mounting and dismounting is eliminated with the SNAP-TACH!

DODGEN AND COMPANY
FORT DODGE IOWA

HENRY
Belt-Pulley Gear Shift

For WC and all WD Allis-Chalmers tractors. Shifts pulley in and out of gear from seat. Pat. Guaranteed. Only $10.90.

Ask your A-C dealer or order direct
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PEERLESS "All-Purpose" Farm ROLLER MILLS

CRIMP—CRACK—GRANULATE
All small grains and ear corn
Feed DUST-FREE rolled grain for better feeding results. Roll it with a PEERLESS. Complete line stationary and portable mills. Write for LITERATURE.

PEERLESS EQUIP. CO. Dept. 101-S, JOPLIN, MISSOURI

Can children get cancer?

The shocking truth: cancer kills more children from 3 to 15 years of age than any other disease. Last year cancer took the lives of more than 3,500 children under 15.

Help hurry the day when all our children will be free from man's cruelest enemy. Your donation can help save a youngster's life. Perhaps even one of your own.

Give to your Unit of the American Cancer Society or mail your gift to CANCER, c/o your town's Postmaster.

American Cancer Society

Farmers talk politics

When interviewers for the Wallace-Homestead Poll talk to farmers, they get comments as well as votes. Here are some quotations from farm people on current politics:

"I'm a Republican in the primary, but a ballot-scratcher in the fall."—Man, Ida county, Iowa.

"Every Democratic president has had a war. I'll take lower prices rather than go to war again."—Man, Ida county.

"I'm a Republican, but sometimes I vote Democratic. We don't need Stevenson tho."—Woman, Mahaska county.

"Quite often I don't agree with my husband on politics, so we go to the polls and kill each other's vote."—Woman, Webster county.

"I was raised in the south as a Democrat, but have voted Republican since I came to Iowa. My husband is a Republican."—Woman, Decatur county.

"Everyone knows Ike is a part-time president. It is sure too bad he's having so much trouble."—Woman, Ida county.

"When a man gets to the president's age, he should have sense enough to retire. Seems like a man can't realize he isn't indispensable."—Older woman, Decatur county.

"Democrats had better quit talking about Ike's health. They'll hurt themselves if they don't."—Man, Calhoun county.

"I think farm income is the real issue of the campaign, but I'm not sure either party can do much about it."—Woman, Washington county.

"I generally consider myself a Republican. This year I'm not so sure."—Man, Dallas county.

"Either party will keep us out of war if they possibly can. Of course, preventing war is more important than low prices."—Farmer, Humboldt county.

"I don't want to seem unpatriotic, but farm income is mighty important when you're trying to pay for your farm."—Young farmer, Buchanan county.

"Farm prices and prevention of war are the big issues to me. And I think we can have good farm prices without a war."—Man, Davis county.

"We hate war, but farmers can't go on with prices the way they are."—Woman, Warren county.

"Raising farm income shouldn't be a hand-out. I trust Eisenhower and his choice of Benson."—Woman, Ida county.

WEAR CAN'T LICK THESE 'CATS'

Farmer-Construction Man protects his equipment with Deep Rock Motor Oils backed by ENGIN·SURANCE Bond!

Max Hansen (right) returns Harley Hall's $1,000,000 ENGIN·SURANCE Warranty after recording purchase of Deep Rock Motor Oil. Delivery of Deep Rock products was made on the job . . . a "dugout" (12' deep) for watering cattle.

EQUIPMENT BREAK-DOWNS are especially costly to Harley Hall of Westport, South Dakota. He depends on his big "Cat" tractors for rugged service on his 1100-acre farm—and in his construction business, too.

So Mr. Hall was mighty interested in the announcement of ENGIN·SURANCE. When he got the full details from Max Hansen of Hansen Deep Rock Service in nearby Aberdeen, Harley Hall had *every one* of his machines registered in the $1,000,000 ENGIN·SURANCE Program.

To keep this guarantee of *perfect* motor oil performance in force, Mr. Hall uses Deep Rock's Air Race HD. Five gallons of this fine oil for every 100 operating hours keep his "Cats" on the job.

NO EXTRA COST for ENGIN·SURANCE when you use Deep Rock Special All-Season Motor Oil or Air Race HD. Why settle for less? See your Deep Rock Man!

The STOP... that keeps you *GOING* — DEEP ROCK

Petroleum Products by Kerr-McGee Oil Industries, Inc. Oklahoma City, Oklahoma

"Hogs are my business," says Robert Teeters of Boxholm. "I've been breeding Chester Whites since 1939 and FELCO has been the backbone of our feeding program for years. We know FELCO gives us the best feed and at cooperative prices too." Why don't you investigate FELCO? See the manager of your own local farmers cooperative. That's the only place you can get FELCO . . . Iowa's leading feed.

harvest MORE soy beans
NEW KOYKER ROW CROP SHIELDS
SAVE 5% to 40% EXTRA BUSHELS per ACRE

Save even more in distress fields. Shields gently lift up lodged growth—saves beans that lay between rows—those lost below sickle. Easily attached to any make harvester, combine or binder; mounted or pull type. Shields ride smoothly over rough terrain, do not interfere with operation of machine. Two shields needed per row. Only $14.75 per pair—wt. 22 lbs. At your dealer or order direct—shipped parcel post (include postage and sales tax). Specify vertical or horizontal mounting.

Corn damaged by wind, root rot or corn borer can be saved with KOYKER CORN SHIELDS—write Dept. W9.

KOOIKER MF'G. CO.
HULL, IOWA

See Wetmore Products in Action
at the
NATIONAL DAIRY CONGRESS
WATERLOO, SEPT. 29-OCT. 6
You'll See How You Can

CONVERT LOW-GRADE ROUGHAGES INTO GOOD FEED . . . AND PROFITS!

With the Amazing New Wetmore
MOLASSES ATTACHMENT

Built to satisfy feeders' needs for low-cost production of good feed from poor-grade roughages . . . It mixes molasses in automatically as feed is ground by any Wetmore Hammer Mill! Cuts feeding costs. Roughages once considered waste can be mixed with inexpensive molasses for feed on which cattle thrive. Few parts to wear or be replaced — fits any Wetmore Hammer Mill.

Also See the

WETMORE "SPEED-MILL"

WETMORE PULVERIZER & MCHY. CO.
TONKAWA, OKLAHOMA

• Tougher & faster, so he switched •

Marvin W. Wilson, of St. Joseph, Missouri, has switched to the new Kendall non-gauze milk filter. Here's why: "I've operated a dairy farm for 20 years and have used all major brands of filter disks. I like the new Kendall disk best of all. It's a tough, fast-filtering, low-cost disk that produces No. 1 sediment ratings." Ask your local merchant for a box and you'll switch to Kendall, too. THE KENDALL COMPANY, *Kendall Mills Division*, Walpole, Mass.

AERATE...
your Farm-Type Grain Storage Bins
with the POWERATOR
Effectively conditions shelled corn & small grain in bins up to 5,000 bu. capacity.
ONLY $72.50
• 110-volt Motor.
• Easily Installed.
• Hundreds in Use.
• Can Operate Continuously.
WRITE GEO. A. ROLFES CO. BOONE, IOWA

Save On Tractor Parts!
Buy direct from nation's largest combination stock of new and used parts. FREE 1956 catalog.
CENTRAL TRACTOR PARTS CO.
Des Moines, Iowa; Hastings, Nebr. or Albert Lea, Minn.

State Fair beef show smaller

About the same number of exhibitors but fewer cattle in most classes

ANGUS breeders brought out the most beef animals at the Iowa State Fair this year with 236 animals. The Shorthorn show had 260 animals, (161 Shorthorn and 99 Polled Shorthorn). The Hereford show, a national show for the breed, had 213 animals competing for national honors.

For the first time in a National Hereford Show, a polled bull was judged champion. The bull, Alf Monarch 35th, is owned by John M. Lewis and Sons, Larned, Kansas.

The reserve champion Hereford bull was K P R Prince Return 23rd, owned by Kavanaugh-Purdy, Butler, Mo. This firm also showed the reserve champion female.

Iowa Hereford breeders A. J. Minish and Sons of Dysart, showed the champion Hereford female, Tama Lady Regent 23rd. Minish Herefords also placed first in the two-year-old heifer class; first in junior heifers; third in senior yearling heifer class, first in two females class; second in get of sire; second in pair of yearlings; second place junior yearling bull; second in summer yearling bull and third in the class of three bulls.

Harold L. Asmus, Audubon, Iowa, showed the winner of two-year-old Hereford bull class.

In the Angus show, Ralph L. Smith, Chillicothe, Missouri, showed the senior champion female, Eileen 7 of Shadow Isle. She was also the grand champion female of the show.

Smith also showed the reserve senior female, Edella of RLS 9th. This animal was later selected as the reserve grand champion female of the Angus show.

Johnson Brothers of Ida Grove, Iowa, had the junior champion female Barbara 425 of Ida. El-Jon Farms, Rose Hill, exhibited the reserve junior champion female, Elburn Jilt.

Senior and grand champion Angus bull was Ankonian 183rd owned by El-Jon Farms. Reserve senior champion bull was Eiltonier Eline S 9, owned by Eiltonier Angus Farm, Tipton. This entry was also the reserve grand champion.

Ralph L. Smith had the junior champion bull, Esquire 3rd RLS. Spring Valley Prince, owned by Spring Valley Farms, Bayard, was reserve junior champion.

In the Shorthorn show, Edellyn Princess Bobbie owned by Edellyn Farms, Wilson, Illinois, was senior champion female. Reserve senior champion female was PF Secret Princess 2nd owned by Penningroth Farms, Wellman.

Held Brothers, Hinton, Iowa, had the junior and grand champion Shorthorn female, Augusta Pam. Susanna Augusta Ann, owned by S. J. O'Bryan, Lake Villa, Ill., was reserve junior and reserve grand champion Shorthorn female.

Senior and reserve grand champion Shorthorn bull was Melbourne Leishman, owned by George Struve and Sons, Manning, Iowa. Reserve senior champion, Hallwood Seven Eleven, was exhibited by J. A. Collier, Fletcher, Okla.

Junior champion bull W. L. Ala Prince owned by W. C. Anderson and Son, West Liberty was chosen grand champion Shorthorn bull.

Reserve junior champion bull, Susanna Custodian 10th, was an S. J. O'Bryan entry.

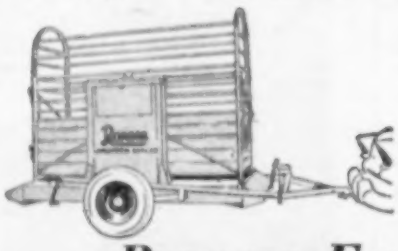
Otto Johnson, Lohrville, had the senior and reserve grand champion Polled Shorthorn bull, Browndale Crusader. Reserve senior champion bull, L. F. Upright 3rd is owned by Clyde Wasson, Dexter, Iowa.

Junior and grand champion Polled Shorthorn bull, Lynnwood Keystone, was shown by Lynnwood Farm, Carmel, Indiana. Juggler's Account, owned by Lou Laughlin, Imogene, Iowa, was reserve junior champion bull.

Lynwood Farm had the senior champion female. And the junior and reserve junior champion females. Also grand and reserve grand champion females in the Polled Shorthorn show.

Albert Hultine and Son, Saronville, Nebr., showed the reserve champion female.

Ranger Portable Livestock Scales



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Ranger Equipment
Delphi, Indiana — Altamont, Kansas

DON'T LET WATER FREEZE!

Use Safe, Dependable
LINE-O-HEAT®

Keeps water pipes, pumps, etc., from freezing in weather as cold as it will ever get. Safe and dependable . . . only heating cable guaranteed for 2 years. Easy to use: apply where needed, plug in. Costs as little as a penny a day to use . . . less when operated automatically with a Smith-Gates thermostat for $6.95.

CAT. NO	PROTECTS UP TO	PRICE EACH
LHT-3	3 ft.	$2.45
LHT-6	6 ft.	$2.95
LHT-12	12 ft.	$3.95
LHT-20	20 ft.	$4.95
LHT-30	30 ft.	$6.45
LHT-40	40 ft.	$7.95
LHT-60	60 ft.	$9.95

Write for FREE Bulletin
IF YOUR DEALER DOESN'T HAVE IT, ORDER DIRECT
SMITH-GATES CORPORATION
Dept. I-14 • Farmington, Conn.

PRUDEN BUILDINGS

YOU RECEIVE BEST VALUE FROM a Pruden Steel Frame Building—you get more storage space per dollar invested—uses wood, concrete, steel or aluminum to their best advantage—no interior obstructions—large end and side doors—all floor space useable. WRITE NOW for free literature and name of nearest dealer.

PRUDEN PRODUCTS CO.
EVANSVILLE, WIS.

Why "Good-Time Charlie" Suffers Uneasy Bladder

Such a common thing as unwise eating or drinking may be a source of mild, but annoying bladder irritations—making you feel restless, tense, and uncomfortable. And if restless nights, with nagging backache, headache or muscular aches and pains due to over-exertion, strain or emotional upset, are adding to your misery—don't wait—try Doan's Pills.

Doan's Pills have three outstanding advantages—act in three ways for your speedy return to comfort. 1—They have an easing soothing effect on bladder irritations. 2—A fast pain-relieving action on nagging backache, headaches, muscular aches and pains. 3—A wonderfully mild diuretic action thru the kidneys, tending to increase the output of the 15 miles of kidney tubes. So, get the same happy relief millions have enjoyed for over 60 years. Ask for new, large, economy size and save money. Get Doan's Pills today!

OVERLOAD SPRINGS

Fits all pickups. Will carry 2,000 extra lbs. Half price of regular overload springs. Guaranteed. Send check or M. O.
ONLY $9.75 PER PAIR
HARVESTER EQUIPMENT CO.
Dept. D-20 — Albert City, Iowa

BROWER Whirlwind FEED MIXER

• SAVES UP TO $16 A TON ON FEED!
• WORLD'S LARGEST SELLING MIXER . . . 5 SIZES
• 30 DAY TRIAL . . . EASY TERMS
Write for FREE CATALOG
BROWER MFG. CO., Box 8303, Quincy, Ill.

WITH ME, IT WAS THE ROTO RAKE OR NO PLOWING . . . This season's heavy corn crop means large stalks and this means tough plowing. You will be stopping your tractor often to get off the plow to clean it. This is slow and expensive and not a good job of plowing because your stalks are not covered. Do as hundreds have done—hitch an OLSON ROTO-RAKE to your plow. It will place the loose stalks in the furrow to be covered, and the others will be straightened so your plow will clean. Get your stalks and straw back in the soil. Write today for special introductory offer or the name of your nearest dealer. OLSON MANUFACTURING COMPANY, ALBERT LEA, MINN.

WAR SURPLUS BARGAINS!
New government releases arrive constantly. SAVE UP TO 50%. Blankets, boots, coats, tents, wearing apparel. Send for FREE War Surplus Catalog.
Sioux Falls Surplus Store — Sioux Falls, S. D.

GUARANTEED
Silo-Matic Silo Unloaders
Be sure to see Silo-Matic on display at the Waterloo Dairy Cattle Congress.
RAILOC COMPANY, PLAINFIELD, ILLINOIS

SLOW DOWN AND LIVE

RED MEAT! CERTIFICATION! CARCASS YIELD!...

and that hardest of all "eye muscle" are features involved in the present-day production of pork.

Along with good breeding we can help with the aid of TRAVITE. TRAVITE contains several "more meat factors" which tend to develop more muscle and less white meat or lard.

PROOF...

The LaVerne Weller barrow (Champion at the Duroc Congress) was recently slaughtered. He had 29.75 inch loin length with a 5.9 square inch eye muscle. His back fat was 1.4 inches. A tremendous pork chop. He was M & M Pig Starter and Travite fed. Other evidence . . . Here is a partial list of M & M fed contest winners:

At the Illinois State Fair: DUROC Res. Jr. Ch. gilt, Potter Farms, Jacksonville, Ill.; 1st fall boar, 1st fall gilt, 1st Breeder-feeder litter, Wm. Urban & Sons, Prophetstown, Ill.; 1st heavy wt. barrow, LaVerne Weller, Dwight, Illinois.

HAMPSHIRES: Grd. Ch. Boar, Jr. Ch. Boar, Ralph S. Wilson, Burlington, Wis.; Res. Jr. Ch. gilt, Treasure Acres, Blairsburg, Iowa.

At the Iowa State Fair: DUROCS: 1st Jr. Yrl. sow, Res. Sr. Ch. sow, Res. Jr. Ch. sow, E. J. Dinsdale, Traer, Iowa; 1st Sr. Yrl. sow, Res. Sr. Ch. boar, 1st heavy wt. barrow, Sr. Ch. sow, Res. Ch. barrow, Strowald Farms, Bowling Green, Missouri; 1st fall gilt, Roger Harper Pleasantville, Iowa; 1st fall boar, Kayward Farm, Iowa City, Iowa; 1st aged sow, Francis Christian & Sons, LaPorte City, Ia.; Sr. Ch. boar, Grd. Ch. boar, Kenneth Schneider, Mt. Carroll, Ill.

HAMPSHIRES: 1st fall boar, Res. Jr. Ch. boar, 1st aged sow, 1st Jr. Yrl. sow, 1st fall gilt, 1st Sr. Spr. gilt, Sr. Ch. sow, Grd. Ch. sow, Jr. Ch. sow, Res. Jr. Ch. sow, Treasure Acres, Blairsburg, Iowa.

TAMWORTHS: 1st Jr. Sp. boar, Jr. Ch. boar, 1st Jr. Yrl. boar, 1st Aged sow, Grd. Ch. boar and Grd. Ch. sow, Floyd Crest Farm, Walter Kruse, Sheldon, Iowa.

YORKSHIRES: 1st Jr. Yrl. sow, 1st Sr. Yrl. sow, Res. Grd. Ch. sow, Richard Bruene, Gladbrook, Ia.; 1st fall gilt, 1st aged boar, Sr. Ch. boar, Grd. Ch. boar, Cerney Bros. & Henderson, Dorchester.

At the Missouri State Fair: DUROCS: 1st Aged boar, 1st Sr. Yrl. boar, Sr. Ch. boar, Grd. Ch. boar, 1st Aged sow, 1st Sr. Yrl. sow, Strowald Farms, Bowling Green, Mo.

POLANDS: 1st Jr. Yrl. boar, Res. Sr. Ch. boar, 1st Jr. Spr. boar, Res. Jr. Ch. boar, 1st Aged sow, 1st Jr. gilt, Jr. Ch. sow, Sr. Ch. sow, Grd Ch. sow, N. L. Farmer, Platte City, Missouri.

At the Minnesota State Fair: TAMWORTHS: 1st Sr. Yrl. boar, Res. Gr. Ch. boar, Sr. Yrl. sow, Jr. Yrl. sow, Sr. and Grd. Ch. sow, 1st Jr. Spr. gilt, Floyd Crest Farm, Walter Kruse, Sheldon, Iowa; 1st Jr. Yrl. boar, Sr. and Gr. Ch. boar, 1st Sr. Spr. boar, Res. Sr. Ch. sow, 1st Sr. Spr. gilt, Jr. and Res. Grd. Ch. gilt, L. D. Vangsness, Kenyon, Minnesota.

YORKSHIRES: 1st Jr. Yrl. sow, E. H. Lieske & Son, Henderson, Minnesota.

Now is the time to order M & M Pig Starter Concentrate and Travite. It is the best and most economical way to feed hogs well.

Five hundred pounds of M & M Pig Starter Concentrate plus 500 lbs. rolled oats and 1,000 lbs. of cracked yellow corn makes 2,000 lbs. of the finest starter available. The low total cost will surprise you.

Use the pig starter to 8 or 10 weeks of age and follow with Travite feeding. Use 50 lbs. of Travite per ton of finished feed.

If you don't have an M & M Dealer near you, let us know and we will take care of you. If you have health problems, remember—our service is free. (Advertisement)

M & M LIVESTOCK PRODUCTS CO.
Eagle Grove, Iowa
Phone 22 or 84

Farm News Briefs

SAFE-SEEDING dates for winter wheat to avoid Hessian fly infestation have been announced by H. M. Harris, state entomologist. Here are the safe-seeding dates in relation to counties on Iowa's western boundary:

On line with Lyon and Sioux counties—Sept. 17.

On line with Plymouth—Sept 18; Woodbury—Sept. 19; Monona—Sept. 20; Harrison—Sept. 21; Pottawattamie — Sept. 22; and Mills—Sept. 23.

Delaying winter wheat seeding until safe-seeding dates is the only known method of controlling Hessian flies, Harris says.

▾ ▾ ▾

TIMOTHY SEED production in Iowa in 1956 is estimated at 1,650,000 pounds of clean seed, according to the Iowa Crop and Livestock Reporting Service. This is the lowest production since records were started in 1919. The 1955 Iowa production was 9,300,000 pounds, and the 1945-54 average was 17,894,000 pounds. For the United States, timothy seed production is estimated at 26,543,000 pounds, 45 percent less than the 1955 production and the third smallest crop on record.

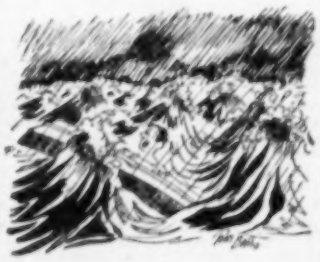
▾ ▾ ▾

BRUCELLOSIS INFECTION in cattle has been reduced below the state average in four Iowa counties where cattlemen have adopted voluntary county-wide control programs. This statement comes from Dr. John B. Herrick, Iowa State College veterinarian. Black Hawk, Buchanan, Delaware and Winneshiek counties showed less than four percent of their cattle infected. The state average is nearly five percent.

▾ ▾ ▾

COMING EVENTS: Third National Watershed Conference, Lincoln, Nebraska, September 18-20; National Field Days and Plowing Match, Jasper county, Iowa, September 20-22; Annual meeting Iowa Grange, Muscatine, Iowa, September 25-27; National Dairy Cattle Congress, Waterloo, Iowa, September 29-October 6; International Dairy Show, Chicago, October 6-13; National Corn Picking Contest, Columbus Neb.; October 12; National Convention of the Future Farmers of America, Kansas City, Mo.; Waterloo Meat Animal Show, Waterloo, Iowa, October 17-20.

Play It Safe!



He's upset in a storm
So scared he could cry
'Cause he couldn't be told,
The waves were too high
—Beth Wilcoxson

IDEAL LINE

GET RESULTS ALL YEAR LONG

with the

IDEAL COMBINATION LIVESTOCK AND HOG WATERER

Clean, Properly Conditioned Water When You Need It

Experience has shown that an unlimited supply of clean drinking water properly conditioned—constantly available will produce faster livestock gains at a lower cost. Savings start when you begin to use an Ideal Livestock and Hog Waterer and continue over the full life of this completely automatic watering unit.

Seven Big Reasons for Using IDEAL

- Heavy gauge steel construction throughout entire watering unit.
- Service doors on hog troughs are self closing.
- Hinged covers on cattle trough that may be closed when not in use. A heat saving feature.
- Independently operated valves with positive adjustment in both hog and cattle troughs assures ample supply of water at all times.
- Thermostats in both gas and electrically heated units factory tested and adjusted to insure proper temperatures.
- Cleanout drains in hog and cattle troughs assure clean water supply for livestock.
- Insulated with one inch spun glass aluminum faced insulation to help reduce heat cost.

A Better Watering Unit for Bigger, Better Profit

National Mfg. & Stamping Co.
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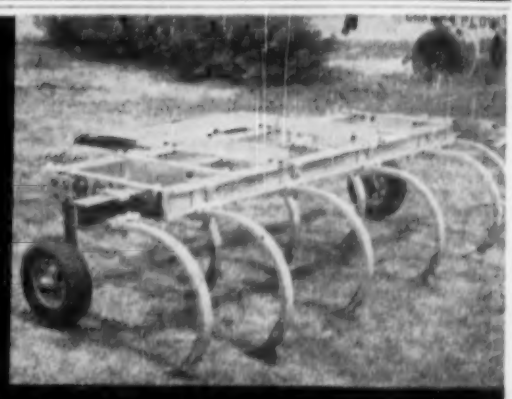


BETTER CROPS NEXT YEAR

BY CONTROLLING MOISTURE WITH THE

GRAHAM PLOW

When you do your fall plowing with the GRAHAM PLOW, you set up moisture control in your fields for next year. The Graham Plow breaks through the plow floor by means of chisel furrows 12 inches apart and 16 to 18 inches deep. This keeps winter moisture on your field . . . allowing it to quickly soak in . . . instead of running off. If next year is dry . . . you have moisture reserve in the subsoil. If next year is wet . . . the rain soaks in faster and does not stand on top of the ground. YOU GET BETTER CROPS!

The GRAHAM PLOW is built from extra heavy, high carbon steel for long wear. It is available in 5-foot to 11-foot lengths . . . to fit any tractor.

See the Graham Plow at the 1956 National Field Days, September 20-21-22

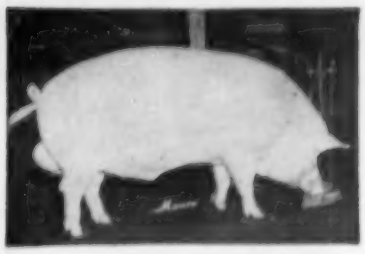
Contact Your Local Implement Dealer or Write for More Information

DISTRIBUTED BY
GRAHAM-IOWA SUB-SOILER CO.
STATE CENTER, IOWA

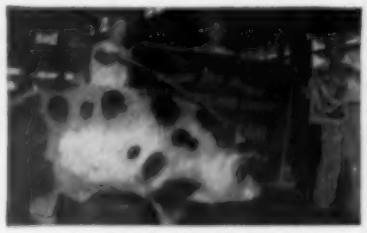
Livestock placings at Iowa State Fair

Reserve senior and reserve grand champion Angus bull at the Iowa State Fair was Eiltonier Eline S 9, shown by Eiltonier Angus Farm, Tipton, Iowa.

Grand champion Duroc board at the 1956 Iowa State Fair was King Size Magic (above). He was shown by Schneider Duroc Farms, Mt. Carroll, Ill.



Grand champion Yorkshire boar for the second year in a row was Oakvale Cosmo 231 H PH, owned by Henderson Farm and Cerny Bros., Coin, Iowa, and Dorchester, Neb.



Spotted Poland China boar above is Radium, owned by A. J. Anderson & Sons of Kellogg, Iowa. Radium was named grand champion Spotted Poland China boar at the 1956 Iowa State Fair and also was given the premier sire award.

Beef Cattle

ABERDEEN ANGUS

Judge: A. T. "Tex" Spitzer, Pleasant Plains, Illinois.

Exhibitors (from Iowa unless otherwise indicated): Martha Jane Anderson, Knoxville; Arnold Angus Farm, Spencer; Bell & Sons, Osceola; James Bierstedt, Whittemore; D. Cargile Bollman & Sons, Pulaski; W. B. Campbell & Sons, Gilmore City; J. Robert Carr, Wilton Junction; Dilenbeck Farms, Geneseo, Ill.; Dowden & Son, Conrad; G. Eldridge Drury, Galva; Mary June Eiler, Stanwood; Eiltonier Angus Farms, Tipton; El Jon Farms, Rose Hill; Darla Gaye Emerson, Knoxville; Rex Harmon & Sons, Creston; C. W. Heath & Son, King City, Mo.; Helendale Angus Farm, Rippey; Sandra Kay Jarvis, Yarmouth; Johnson Bros., Ida Grove; Harold Junck, Hinton; Mary Ellen Kasbohn, Perry; Kentridge, Muscatine; Fred Knop & Sons, Charter Oak; Lad-Or Farm, Scranton; Harry A. Leonard & Sons, Perry; Maas Bros., Remsen; Harold G. Magg, Farrar; A. A. Mugge, Spencer; Jo Ann & Charlotte Mullins, Winterset; Nau's Angus Farm, Mt. Pleasant; Glen C. Nelson, Brayton; Maurine Jane O'Connor & Cloverly Stock Farms, Maloy; Pagemere & Arlavon, Clarinda; N. P. Powell & Maurice W. Boney, Tyler, Texas; Rita Redfern, Yarmouth; Fred Rinnert, Muscatine; John Rooks, Eldora; Ralph L. Smith, Chillicothe, Mo.; Spear's Angus, Indianola; Spring Valley Farms, Bayard; Stark & Turner, Webster City; Sunset Knoll Farms, Ames; Glen L. Swanson, Davenport; Timber-Top Angus Farms, Rippey; Ernest West & Son, Moravia; Garnet G. West & Sons, Altoona; Wayne Wetzel, Muscatine; Willamere Farms, Stanwood; Wilton Farms, Davenport.

Bulls: Two year olds (7 shown)—1, Eiltonier Angus Farms; 2, Ralph L. Smith; 3, J. Robert Carr. Senior yearlings (10 shown)—1, El Jon Farms; 2, N. P. Powell and Maurice Boney; 3, C. W. Heath & Son. Junior yearlings (11 shown)—1, C. W. Heath & Son; 2 and 3, Spring Valley Farms. Summer yearlings, calved between May 1 and June 30, 1955 (13 shown)—1, Ralph L. Smith; 2, Wilton Farms; 3, Dilenbeck Farms. Summer yearlings, calved between July 1 and Aug. 31, 1955 (15 shown)—1, Spring Valley Farms; 2, Ralph L. Smith; 3, Bell & Sons. Senior calves, calved between Sept. 1 and Oct. 31, 1955 (10 shown)—1, Ralph L. Smith; 2, Spring Valley Farms; 3, Johnson Bros. Senior calves, calved after Oct. 31, 1955 (5 shown)—1, Ralph L. Smith; 2, G. Eldridge Drury; 3, El Jon Farms. Senior champion bull—El Jon Farms on Ankonian 183d (senior yearling); reserve, Eiltonier Angus Farm on Eiltonier Eline S 9 (two year old). Junior champion bull—Ralph L. Smith on Esquire 3 RLS (senior calf); reserve, Spring Valley Farms on Spring Valley Prince (senior calf). **Grand champion bull**—El Jon Farms on Ankonian 183d; reserve, Eiltonier Angus Farm on Eiltonier Eline S 9.

Females: Two year olds (7 shown)—1, Ralph L. Smith; 2, Bell & Sons; 3, Kentridge. Senior yearlings (7 shown)—1, Ralph L. Smith; 2, Wilton Farms; 3, Johnson Bros. Junior yearlings (22 shown)—1, El Jon Farms; 2, C. W. Heath & Son; 3, G. Eldridge Drury. Summer yearlings, calved between May 1 and June 30, 1955 (23 shown)—1, John Lindgren; 2, Ralph L. Smith; 3, Johnson Bros. Summer yearlings, calved between July 1 and August 31, 1955 (11 shown)—1, Ralph L. Smith; 2, Johnson Bros.; 3, C. W. Heath & Sons. Senior calves, calved between Sept. 1 and Oct. 31, 1955 (17 shown)—1, Robert J. Carr; 2, Wilton Farms; 3, Johnson Bros. Senior calves, calved after Oct. 31, 1955 (9 shown)—1, Johnson Bros.; 2, Ralph L. Smith; 3, Spring Valley Farms. Senior champion female—Ralph L. Smith on Eileen 7 of Shadow Isle (two year old); reserve, Ralph L. Smith on Edella of RLS 9 (senior yearling). Junior champion female—Johnson Bros. on Barbara 425 of Ida (senior calf); reserve, El Jon Farms on Elburn Jilt (junior yearling). **Grand champion female**—Ralph L. Smith on Eileen 7 of Shadow Isle; reserve, Ralph L. Smith on Edella of RLS 9.

Groups: Get of sire: (10 shown)—1 and 2, Ralph L. Smith; 3, Johnson Bros. Junior get of sire (10 shown)—1 and 2, Ralph L. Smith; 3, Spring Valley Farms.

SHORTHORNS

Judge: Hollis Hanson, Connersville, Indiana.

Exhibitors (from Iowa unless otherwise indicated): W. C. Anderson & Son, West Liberty; Marilyn & Roy Black, Nevada; J. R. Brooks & Sons, Knoxville; J. A. Collier, Fletcher, Okla.; Edellyn Farms, Wilson, Ill.; Held Bros, Hinton; Gilbert Kardel, Walcott; LaJoy Stock Farm, Harlan; Donald Obrecht & Son, Harlan; Donna Jean Obrecht, Harlan; S. J. O'Bryan, Lake Villa, Ill.; Kay Paul, Osceola; Penningroth Farms, Wellman; Henry Rathons, Mooreland; Carl L. Retzlaff & Son, Walton, Nebr.; F. Rothlisberger & Son, Elgin; C. E. Stewart & Sons, Rose Hill; Geo. Struve & Sons, Manning; Vernon Uehling, Ankeny; Larry Wiebke, Greene; Wm. Wiebke & Son, Greene.

Bulls: Two year olds (3 shown)—1, W. C. Anderson & Son; 2, J. A. Collier; 3, F. Rothlisberger & Son. Senior yearlings (7 shown)—1, Geo. Struve & Sons; 2, J. A. Collier; 3, Edellyn Farms. Junior yearlings (12 shown)—1, S. J. O'Bryan; 2 and 3, Edellyn Farms. Summer yearlings (14 shown)—1, W. C. Anderson & Son; 2, Geo. Struve & Sons; 3, Edellyn Farms. Senior calves (16 shown)—1, Geo. Struve & Sons; 2 and 3, S. J. O'Bryan. Junior calves (10 shown)—1, J. A. Collier; 2, W. C. Anderson & Son; 3, S. J. O'Bryan. Senior champion bull—Geo. Struve & Sons on Melbourne Leishman (senior yearling); reserve, J. A. Collier on Hallwood Seven Eleven (senior yearling). Junior champion bull—W. C. Anderson & Son on W.L. Ala Prince (summer yearling); reserve, S. J. O'Bryan on Susanna Custodian 10th (junior yearling). **Grand champion bull**—Anderson & Son on W. L. Ala Prince; reserve, Struve & Sons on Melbourne Leishman. Three bulls (13 shown)—1, Anderson & Son; 2, Struve & Sons; 3, J. A. Collier. Two bulls—1, Anderson & Son; 2, S. J. O'Bryan; 3, Struve & Sons.

Females: Two year olds (6 shown)—1, Edellyn Farms; 2, Struve & Sons; 3, J. A. Collier. Senior yearlings (5 shown)—1, Penningroth Farms; 2, Collier; 3, Wm. Wiebke & Son. Junior yearlings (16 shown)—1, Held Bros.; 2, Anderson & Son; 3, Struve & Sons. Summer yearlings (14 shown)—1, O'Bryan; 2 and 3, Anderson & Son. Senior calves (15 shown)—1, Edellyn Farms; 2, Collier; 3, Held Bros. Junior calves (8 shown)—1, O'Bryan; 2, Edellyn; 3, Collier. Senior champion female—Edellyn on Edellyn Princess Bobbie (two year old); reserve, Penningroth on PF Secret Princess 2d. Junior champion female—Held Bros. on Augusta Pam (junior yearling); reserve, O'Bryan on Susanna Augusta Ann (summer yearling). **Grand champion female**—Held Bros. on August Pam; reserve, O'Bryan on Susanna Augusta Ann. Two females (15 shown)—1, O'Bryan; 2, Held Bros.; 3, Anderson & Son.

Groups: Get of sire (13 shown)—1, O'Bryan; 2, Collier; 3, Struve & Sons. Junior get of sire (7 shown)—1, Collier; 2, Struve & Sons; 3, Edellyn. Pair of yearlings (12 shown)—1, O'Bryan; 2, Anderson & Son; 3, Edellyn. Pair of calves (6 shown)—1, Collier; 2, Edellyn; 3, Struve & Sons.

HEREFORDS

Judge: Glen Bratcher, Stillwater, Oklahoma.

Exhibitors (from Iowa unless otherwise indicated): Martha Jane Anderson, Knoxville; Arrow Head Hereford Ranch, Okmulgee, Okla., Bill Arthur, Atlantic; Harold L. Asmus, Audubon; Blair Baughman, Denison; Norbert Borwege, Roseland, Nebr.; Kathy Beale, Buckingham; Freddie M. Beattie, Runnells; Bianchi & Sanford, Macon, Mo.; Circle A Hereford Farm, Morris, Ill.; Germain Dittmer, Lacona; Lester Dittmer & Sons, Lacona; Fairview Farm (Adams Bros. & Co.), Odebolt; R. G. Geddes & Sons, Maxwell; Lisle G. Goode, Lacona; Halbert & Fawcett, Miller, Mo.; Gene Heaberlin, Pleasantville; Hervale Farms, Wayne, Nebr.; Hillandale Farm, Muscatine; Jelden Hereford Farm, Everly; Jimmy Johnson, Council Bluffs; Prudy Kavanaugh, Butler, Mo.; John Kline, Conrad; John M. Lewis & Sons, Larned, Kans.; Kenneth McLeod, St. Charles; Meredith Farms, Des Moines; Don C. Miller, Dysart; A. J. Minish & Sons, Dysart; Gary Minish, Dysart; Rich S. Peckham, Brady, Nebr.; Pierson Hereford Farms, Dickens; Ridge Acre Farm, Steinover, Nebr.; Elmer St. Clair, Beaman; H. N. P. Small & Son, Letts; Larry Walter, Prescott; Westhaven Place, Denison.

Bulls: Two year olds (10 shown)—1, Harold L. Asmus; 2, Meredith Farms; 3, Halbert & Fawcett. Senior yearlings (11 shown)—1, Norbert Borwege; 2, John M. Lewis & Sons; 3, Kavanaugh-Purdy. Junior yearlings (18 shown)—1, Halbert & Fawcett; 2, A. J. Minish & Sons; 3, Hervale Farms. Summer yearlings (16 shown)—1, John M. Lewis & Sons; 2, A. J. Minish & Sons; 3, Kavanaugh-Purdy. Senior calves (15 shown)—1, Kavanaugh-Purdy; 2, Meredith Farms; 3, John M. Lewis & Sons. Junior calves (9 shown)—1, Hervale Farms; 2, Fairview Farms; 3, Halbert & Fawcett. **Champion bull**—John M. Lewis & Sons on Alf Monarch 35 (summer yearling); reserve—Kavanaugh-Purdy on KPR Prince Return 23 R (senior calf). Three bulls (15 shown)—1, Halbert & Fawcett; 2, John M. Lewis & Sons; 3, A. J. Minish & Sons. Two bulls (23 shown)—1, John M. Lewis & Sons; 2, Halbert & Fawcett; 3, Kavanaugh-Purdy.

Females: Two year olds (8 shown)—1, A. J. Minish & Sons; 2, Jelden Hereford Farm; 3, Hervale Farms. Senior yearlings (13 shown)—1, Kavanaugh-Purdy; 2, Arrow Head Hereford Ranch; 3, A. J. Minish & Sons. Junior yearlings (13 shown)—1, Minish; 2, Kavanaugh-Purdy; 3, Lewis & Sons. Summer yearlings (25 shown)—1, Norbert Borwege; 2, Kavanaugh-Purdy; 3, Lewis & Sons. Senior calves—1, Arrow Head Hereford Ranch; 2, Fairview Farms; 3, Bianchi & Sanford. Junior calves—1, Fairview Farms; 2, Ridge Acre Farm; 3, Hervale Farms. **Champion female**—A. J. Minish & Sons on Tama Lady Regent 23 (two year old); reserve, Kavanaugh-Purdy on LHR Lady Mixer 3 (senior yearling). Two females—1, A. J. Minish & Sons; 2, Kavanaugh-Purdy; 3, Norbert Borwege.

Groups: Get of sire (16 shown)—1, Lewis & Sons; 2, Minish & Sons; 3, Borwege. Pair of yearlings—1, Lewis & Sons; 2, Minish & Sons; 3, Kavanaugh. Pair of calves (12 shown)—1, Kavanaugh-Purdy; 2, Borwege; 3, Arrow Head Hereford Ranch.

POLLED SHORTHORNS

Judge: H. H. Kildee, Ames, Iowa.

Exhibitors (from Iowa unless otherwise indicated): Alpine Farms, Lexington, Mo.; Loyd D. Beecher, Union; Ann Brunsman, Earlham; Carona Farms, De Kalb, Ill.; Wayne A. Carr, Cincinnati; Circle S. Farms (Setterdahl Bros.), Rio, Ill.; Frank Dempster & Son, Arlington; R. L. Flamme & Earl S. Girton, Marshalltown; Albert Hultine & Son, Saronville, Nebr.; Otto Johnson, Lohrville; Lou Laughlin, Imogene; Lynnwood Farm, Carmel, Ind.; Clyde Wasson, Dexter.

Bulls: Two year olds (none shown). Senior yearlings (3 shown)—1, Otto Johnson; 2, Clyde Wasson; 3, Circle S. Farms. Junior yearlings (9 shown)—1, Lynnwood Farm; 2, Lou Laughlin; 3, Alpine Farms. Summer yearlings (6 shown)—1 and 2, Lynnwood Farm; 3, Alpine Farms. Senior calves (9 shown)—1, Carona Farms; 2, Lynnwood Farm; 3, Alpine Farms. Junior calves (3 shown)—1, Otto Johnson; 2, Lynnwood Farm; 3, Circle S. Farms. Senior champion bull—Otto Johnson on Browndale Crusader (senior yearling), reserve, Clyde Wasson on L. F. Upright 2d (senior yearling). Junior champion bull—Lynnwood Farm on Lynnwood Keystone (junior yearling); reserve, Lou Laughlin on Juggler's Account (junior yearling). **Grand champion bull**—Lynnwood Farm on Lynnwood Keystone; reserve, Otto Johnson on Browndale Crusader. Three bulls (4 shown)—1, Lynnwood Farm; 2, Carona Farms; 3, Alpine Farms. Two bulls (10 shown)—1 and 3, Lynnwood Farm; 2, Carona Farms.

Females: Two year olds (none shown). Senior yearlings (4 shown)—1 and 3, Lynnwood Farm; 2, Albert Hultine & Son. Junior yearlings (14 shown)—1 and 3, Lynnwood Farm; 2, Albert Hultine & Son. Summer yearlings (12 shown)—1, Otto Johnson; 2, Lynnwood Farm; 3, Carona Farms. Senior calves (17 shown)—1 and 2, Lynnwood Farms; 3, Otto Johnson. Junior calves (4 shown)—1, Otto Johnson; 2, Lynnwood Farm; 3, Circle S. Farms. Senior champion female—Lynnwood Farm on Lynnwood Secret 2d (senior yearling); reserve, Albert Hultine & Son on Lady Nonpareil (senior yearling). Junior champion—Lynnwood Farm on Lynnwood Daybreak A 8th (senior calf); reserve, Lynnwood Farm on Lynnwood Patience 2d. **Grand champion female**—Lynnwood Farm on Lynnwood Secret 2d; reserve, Lynnwood Farm on Lynnwood Daybreak A 8th. Two females (12 shown)—1 and 2, Lynnwood Farm; 3, Otto Johnson.

Groups: Get of sire (7 shown)—1 and 2, Lynnwood Farm; 3, Alpine Farms. Junior get of sire (4 shown)—1, Lynnwood Farm; 2, Carona Farms; 3, Albert Hultine & Son. Pair of yearlings (11 shown)—1 and 2, Lynnwood Farm; 3, Carona Farms. Pair of calves (8 shown)—1 and 2, Lynnwood Farm; 3, Carona Farms.

Hogs

YORKSHIRES

Judge: Wilbur Plager, Des Moines, Iowa.

Exhibitors (from Iowa unless otherwise indicated): Alfred Accola, Huxley; Barth Ballou, Olin; J. H. or Sandra Ballou, Olin; James Beatty & Son, Hancock; Fred K. & Richard K. Bruene, Gladbrook; Donald Campbell, Oxford; Cerny Bros., Dorchester, Nebr.; Judy Cheever, Chapin; Raymond Cheever, Chapin; Vernon Clapsaddle, Marshalltown; Alvin Clark, Radcliffe; Warren Dankel, Glidden; Donald Dugan, Storm Lake; Eugene Dugan & Sons, Storm Lake; Harry S. Endrulat, Battle Creek; Gary Fisher, Eagle Grove; Henderson Farm, Coin; Henderson Farm & Cerny Bros., Coin, Iowa and Dorchester, Nebr.; Henderson Farm & Elmer Heiser, Coin, Ia. and Dubar, Nebr.; Joe Henderson, Coin; Mike Henderson, Coin; Gerald F. Kennedy & Sons, Humboldt; Dearl King & Sons, Blencoe; Dale Krieger, Minburn; Louis Kristof, Eddyville; F. L. Jackson & Sons, Lytton; Paul Jones, Bedford; Jim Lein, Graettinger; Fred McKibbin, Rhodes; Richard Moench, Humboldt; Roger Newburn, Eagle Grove; Harold Nichol, Jr., Melbourne; Sharolyn Nichol, Melbourne; L. M. Peters, Marion; David D. Summy, Pleasantville; Bruce Theblay, Eagle Grove; Bernard Weed & Sons, Ute; Clare Wiley, Indianola; Glen Wood, Olin.

Boars: Aged (7 shown)—1, Henderson Farm & Cerny Bros.; 2, Warren Dankel; 3, Louis Kristof. Senior yearlings (4 shown)—1, Bernard Weed & Sons; 2, Fred K. & Richard K. Bruene; 3, Harry S. Endrulat. Junior yearlings (9 shown)—1, Jim Lein; 2, Cerny Bros.; 3, J. H. or Sandra Ballou. Fall (7 shown)—1, Warren Dankel; 2, L. M. Peters; 3, Donald Campbell. Senior spring (25 shown)—1, Mike Henderson; 2, F. L. Jackson & Sons; 3, Henderson Farm. Junior spring (29 shown)—1, Roger Newburn; 2, F. L. Jackson & Sons; 3, Louis Kristof. Senior champion—Henderson Farm & Cerny Bros. on Oakvale Cosmo 231H.P.R. (aged);

(Continued on page 95)

M. L. Silver Look (above) was named junior and grand champion Hampshire sow at the Iowa State Fair. She's owned by Treasure Acres Farm, Blairsburg, Iowa.

Kenneth Wendt and Son, Buckingham, Iowa, showed White Cyclone to the senior and grand championship in the Chester White boar classes. Wendt also had the junior champ boar.

(Continued from page 94)

ling). Junior Champion—Mike Henderson on M-Hytest Maestro 12L (senior spring); reserve, F. L. Jackson & Sons on Maple Leaf Fashion Plate 124L (senior spring). **Grand champion boar**—Henderson Farm & Cerny Bros. on Oakvale Cosmo 231 H P.R. 2312; reserve, Jim Lein on L.J.A. TriWays Royal Marshall Glen 3K.

Sows: Aged (4 shown)—1, F. L. Jackson & Sons; 2, Fred K. & Richard K. Bruene; 3, J. H. or Sandra Ballou. Senior yearlings (7 shown)—Fred K. & Richard K. Bruene; 2, F. L. Jackson & Sons; 3, Clare Wiley. Junior yearlings (8 shown)—1, Fred K. & Richard K. Bruene; 2, James Beatty & Son; J. H. or Sandra Ballou. Fall (11 shown)—1, Cerny Bros.; 2, Warren Dankel; 3, Louis Kristof. Senior spring (41 shown)—1, Clare Wiley; 2, Dale Krieger; 3, Louis Kristof. Junior spring (31 shown)—1, Dale Krieger; 2, Harold Nichol, Jr.; 3, Roger Newburn. Senior champion—F. L. Jackson & Sons on Beau Ideal Cindy 057H (aged); reserve, Fred K. & Richard K. Bruene on Accolaleas Princess (junior yearling). Junior champion—Clare Wiley on Wyola Donna Lu 25L (senior spring); reserve, Dale Krieger. **Grand champion sow**—F. L. Jackson & Sons on Beau Ideal Cindy 057H; reserve, Fred K. & Richard K. Bruene on Accolaleas Princess. Premier sire award—Henderson Farm & Elmer Heiser on Hy Sur Masterpiece 16K; reserve, Henderson Farm & Cerny Bros. on Oakvale Cosmo 231 H.

Barrows: 180 to 205 lbs. (16 shown)—1, Joe Henderson; 2 & 3, Fred K. & Richard K. Bruene. 206 to 250 lbs.—1, Mike Henderson; 2, Clare Wiley; 3, Eugene Dugan & Sons. **Champion barrow**—Mike Henderson; reserve, Joe Henderson.

TAMWORTHS

Judge: E. B. Moore, Westfield, Indiana.

Exhibitors (from Iowa unless otherwise indicated): A. J. Booth, Seymour; H. E. Cerny & Sons, Dorchester, Nebr.; Kenneth J. Conley, Marion; Floyd Crest Farms, Sheldon; J. M. Ford, Milo; Glenn G. Healy, Moscow; Joe Henderson, Coin; Mike Henderson, Coin; Robert M. Jacobsen, Indianola; J. H. Jones, Ainsworth; Ed Masteller, Independence; Oakdale Farm, Portis, Kans.; M. Don Poland, St. Joseph, Mo.; Propst & Piper, Iowa City; R. E. Robertson, Stanhope; Ray Robertson, Mediapolis; Gary A. Warth, Mediapolis.

Boars: Aged (3 shown)—1, Glenn G. Healy; 2, J. M. Ford; 3, J. H. Jones. Senior yearlings (3 shown)—1, H. E. Cerny & Sons; 2, Kenneth J. Conley; 3, M. Don Poland. Junior yearlings (8 shown)—1, Ray Robertson; 2, Floyd Crest Farms; 3, R. E. Robertson. Fall (5 shown)—1 & 3, Glenn G. Healy; 2, Floyd Crest Farms. Senior spring (24 shown)—1, Floyd Crest Farms; 2 & 3, Propst & Piper. Junior spring (16 shown)—1, J. M. Ford; 2, Floyd Crest Farm; 3, Oakdale Farm. Senior champion—H. E. Cerny & Sons on Mastercraftsman (senior yearling) reserve, Glenn G. Healy on New Era (aged). Junior champion—Floyd Crest Farms on Lady's Prince (senior spring); reserve, Propst & Piper on Ardmores King (senior spring). **Grand champion boar**—Floyd Crest Farms on Lady's Prince; reserve, H. E. Cerny & Sons on Mastercraftsman 134500.

Sows: Aged (4 shown)—1, Floyd Crest Farms; 2, H. E. Cerny & Sons; 3, Kenneth J. Conley. Senior yearlings (6 shown)—1, Floyd Crest Farms; 2, Kenneth J. Conley; 3, J. H. Jones. Junior yearlings (7 shown)—1, Glenn G. Healy; 2, Floyd Crest Farms; 3, Kenneth J. Conley. Fall (5 shown)1 & 2, Kenneth J. Conley; 3, Glenn G. Healy. Senior spring (22 shown—1 & 2, Propst & Piper; 3, Floyd Crest Farms. Junior spring (18 shown)—1, J. M. Ford; 2, Floyd Crest Farms; 3, Ray Robertson. Senior champion—Floyd Crest Farms on Big Start Sue 4th (aged); reserve, Floyd Crest Farms on Riverdale Maude (senior yearling). Junior champion—Probst & Piper on Ardmores Rita (senior spring); reserve, J. M. Ford on Marigold Jane I (junior spring). **Grand champion sow**—Floyd Crest Farms on Big Start Sue 4th; reserve, Probst & Piper on Ardmores Rita A. Premier sire award—Floyd Crest Farms on Sunnyview Prince 1st; reserve, Kenneth J. Conley on Janes Jack.

Barrows: 180 to 205 lbs.—1, Joe Henderson; 2 & 3, Floyd Crest Farms. 206 to 250 lbs.—1 & 2, Joe Henderson; 3, Ed Masteller. Champion barrow—Joe Henderson; reserve, Joe Henderson.

DUROCS

Judge: Rudolph Juhl, Luverne, Minnesota.

Exhibitors (from Iowa unless otherwise indicated): Herman F. Anderson, Des Moines; Lyle Barkema, Goodell; Bernard Bartholow, Washington; C. W. Bartholow & Son, Washington; Julius W. Block & Son, Maquon, Ill.; Gregory Brandenburg, Eagle Grove; Vernon Brandenburg, Eagle Grove; Bert Broek & Sons, Sioux Center; Dave Broek, Hull; J. R. Caputo, Marshalltown; F. H. Christian & Sons, La Porte City; Darrell Clark, Grand Junction; E. J. Dinsdale, Traer; Dale Dixon & Sons, Bloomfield; Victor & David Duea, Roland; Bill Durian, Wellman; Robert Ekstrom, Eagle Grove; Larry Ely, Rhodes; Laurel J. Ely, Rhodes; George F. Grouwinkel, Columbus Junction; Paul Grouwinkel & Sons, Columbus Junction; Harlan P. Harper, Melbourne; Joe Harper & Son, Colo; Roger Harper, Pleasantville; Dale Hauge, Belmond; W. H. Helmke & Son, Renwick; Delbert Hoyle, Brighton; Iowa Falls Duroc Breeders Ass'n., Iowa Falls; Don Jeanblanc, Eagle Grove; Kayward Farm, Iowa City; Willard Klein, Iowa Falls; E. W. Klingaman & Son, Waterloo; Dean Klopping, Vinton; Knotek Bros, Riverside; C. E. Louden & Son, Grinnell; Jerry Louden, Grinnell; Bob Lunt, Grand Junction; Fred McKibbin, Rhodes; Maahs Bros., Walton, Nebr.; Everett Maahs, Lincoln, Nebr.; Miller & Beckett, Shenandoah; Kermit Neubauer, Iowa Falls; Gerald D. Nevins, Tipton; H. C. O'Dear, Lewistown, Mo.; Paul Bros., Dallas Center; Schneider Durocs Farms, Mount Carroll, Ill.; Strowold Farms, Bowling Green, Mo.; Greg F. Vaske, Dyersville; Lee Vonstein, Bondurant; Elmer Willey, Vincent.

Boars: Aged (6 shown)—1, Schneider Durocs Farm; 2, Strowold Farms; 3, Gerald D. Nevins. Senior yearlings (3 shown)—1, Elmer Willey; 2, Strowold Farms; 3, E. J. Dinsdale. Junior yearlings (13 shown)—1, Dave Broek; 2, Schneider Durocs Farms; 3, George F. Grouwinkel. Fall (12 shown)—1, Kayward Farm; 2, Elmer Willey; 3, Roger Harper. Senior spring (60 shown)—1 & 3, Willard Klein; 2, F. H. Christian & Sons. Junior spring (35 shown)—1, Bert Broek & Sons; 2, Kayward Farm; 3, Gerald Nevins. Senior champion boar—Schneider Durocs Farms on King Size Magic. Junior champion boar—Bert Broek & Sons on Helmsman. **Grand champion boar**—Schneider Durocs Farms on King Size Magic.

Sows: Aged (8 shown)—1, F. H. Christian & Sons; 2, Roger Harper; 3, E. W. Klingaman & Son. Senior yearlings (8 shown)—1, Strowold Farms; 2, Schneider Durocs Farms; Elmer Willey. Junior yearlings (14 shown)—1, E. J. Dinsdale; 2, Laurel J. Ely; 3, Elmer Willey. Fall (12 shown)—1, Roger Harper; 2, E. J. Dinsdale; 3, Elmer Willey. Senior spring (60 shown)—1 & 3, Kermit Neubauer; 2, E. J. Dinsdale. Junior spring (36 shown)—1, Elmer Willey; 2, Gerald D. Nevins; 3, Greg F. Vaske. Senior champion sow—Strowold Farms on Marvel Lady 4th; reserve, E. J. Dinsdale on Aces Princess. Junior champion sow—Kermit Neubauer on Modern Gal; reserve, E. J. Dinsdale on Superfection Starlet. **Grand champion sow**—Kermit Neubauer on Modern Gal; reserve, E. J. Dinsdale on Superfection Starlet. Premier sire award—Bert Broek on Superfection; reserve, Willard Klein on Modern Duke.

Barrows: 180 to 205 lbs. (20 shown)—1 & 3, Robert Ekstrom; 2, Strowold Farms. 206 to 250 lbs. (13 shown)—1, Strowold Farms; 2, Fred McKibbin; 3, Robert Ekstrom. **Champion barrow**—Robert Ekstrom; reserve, Strowold Farms.

HAMPSHIRES

Judge: Guy McReynolds, Ashland, Nebraska.

Exhibitors (from Iowa unless otherwise indicated): David Baustian, Victor; Bernard Brecht, Marengo; Elwood Burlingame, Grinnell; Paul Carlson & Sons, Red Oak; Joe Cerwinske & Sons, Dallas Center; Danielson, Bros., Neva-

(Continued on page 96)

Heat-Houser STILL TOPS IN THE FIELD

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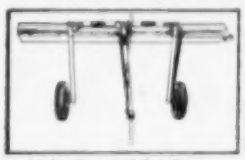

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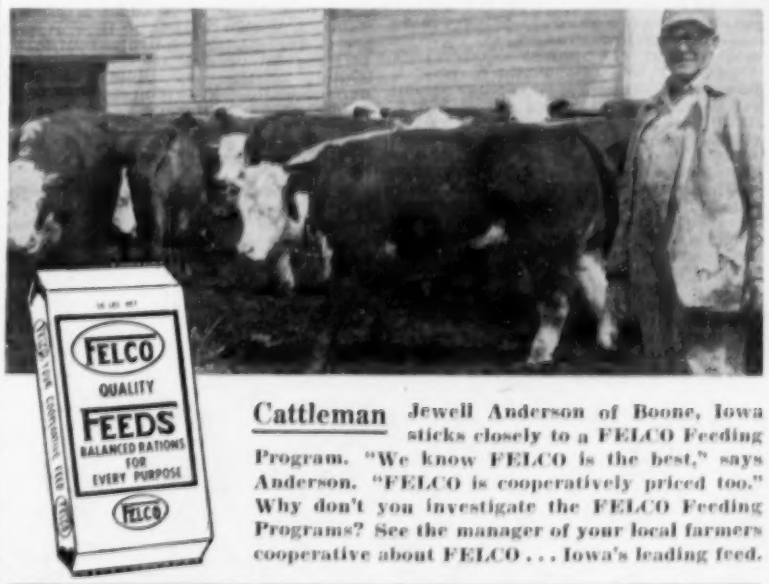


Cattleman Jewell Anderson of Boone, Iowa sticks closely to a FELCO Feeding Program. "We know FELCO is the best," says Anderson. "FELCO is cooperatively priced too." Why don't you investigate the FELCO Feeding Programs? See the manager of your local farmers cooperative about FELCO . . . Iowa's leading feed.

SLOW DOWN AND LIVE

Senior and grand champion Poland China sow at the fair was Lucky Lady Look, owned by Morgan & Morgan, Harlan, Iowa.

Senior and grand champion Chester White sow at the Iowa State Fair was Silver Model Lady, owned by I. L. Rudasil & Sons, Moline, Mo.

State Fair Results

(Continued from page 95)

reserve, Jim Lein on LJA TriWays Royal Marshall Glen 3K (junior yearda; Larry Drake, Centerville; Glenn W. Drury, Marshalltown; Duncan & Smylie, Columbus Junction; Einfeldt & Hogan, Durant; Fred Fullmer, Belle Plaine; Goodchild Bros., Mallard; Fred F. Goodchild & Sons, Mallard; Arthur E. Gray, Center Point; Kent Groves, Eagle Grove; Kenneth Greiner, Keota; Roger Harper, Pleasantville; Hardisty Hampshire Farms, Corning; Delbert Holmes, Ainsworth; Donald Karsjens, Parkersburg; C. T. Keen & Son, Le Grand; Kenclair Hereford Farm, Audubon; Harry M. Knabe & Son, Nehawka, Nebr.; Allen Lang & Son, Brooklyn; Lettow Bros., Alden; Carl F. & Charles Lettow, Iowa Falls; James H. Lettow, Alden; W. B. McDonald & Son, Clemons; Dale McGraw, Pleasantville; Fred McKibbin, Rhodes; Everett Maahs, Lincoln, Nebr.; Martin's Rock River Farms, Byron, Ill.; Albert W. Martin, Jr., Marion; Orville Meeker, Oakville; Richard Moench, Humboldt; Roger Morgan, Eagle Grove; Nels Olson & Sons, Grand Mound; Allen Paxton & Sons, Marshalltown; Lawrence Putney Farms, Gladbrook; Emery Riemenschneider, Pierson; B. H. Robertson, Columbus Junction; Raymond Schwartz & Sons, Walnut; Andy Siefker, Belle Plaine; C. W. Smith, Mt. Vernon; Howard Soorholtz & Son, Melbourne; A. J. Steenhoek & Sons, Prairie City; Ray Tokle, Grinnell; Treasure Acres, Blairsburg; Walsh Bros., Beloit, Wisconsin; Cecil Wilson, Lenox.

Boars: Aged (3 shown—1, Lawrence Putney Farms; 2, Allen Lang & Sons; 3, Donald Karsjens. Senior yearlings (4 shown)—1, Treasure Acres; 2, Lettow Bros.; 3, Bernard Brecht. Junior yearlings (15 shown)—1, Cecil Wilson; 2, Dale McGraw; 3, Raymond Schwartz & Sons. Fall (10 shown)—1, Treasure Acres; 2, Carl F. & Charles Lettow; 3, Lettow Bros. Senior spring (51 shown)—1, Lettow Bros.; 2, Treasure Acres; 3, A. F. Steenhoek & Sons. Junior spring (37 shown)—1, Howard Soorholtz & Son; 2, Lettow Bros.; 3, Emery Riemenschneider. Senior champion boar—Cecil Wilson on Grand Fashion; reserve, Dale McGraw on Big League. Junior champion boar—Lettow Bros. on Western Hi-Tone; reserve, Treasure Acres on Grand Captain. **Grand champion boar**—C. T. Keen & Son on Lucky; reserve, Lettow Bros. on Western Hi-Tone.

Sows: Aged (8 shown)—1, Treasure Acres; 2, C. W. Smith; 3, Arthur E. Gray. Senior yearlings (12 shown)—1, Carl F. & Charles Lettow; 2, Allen Lang & Son; 3, Everett Maahs. Junior yearlings (17 shown)—1, Treasure Acres; 2, Lettow Bros.; 3, C. T. Keen & Son. Fall (12 shown)—1, Treasure Acres; 2, Fred F. Goodchild & Sons; 3, Lawrence Putney Farms. Senior spring (47 shown)—1, Treasure Acres; 2 & 3, A. F. Steenhoek & Sons. Junior spring (20 shown)—1, Lettow Bros.; 2, C. T. Keen & Son; 3, Treasure Acres. Senior champion sow—Treasure Acres on Miss Bell; reserve, C. W. Smith on Angus-Shire Ann. Junior champion sow—Treasure Acres on M. L. Silver Look; reserve, Treasure Acres on Treasure Acres Queen 11th. **Grand champion sow**—Treasure Acres on M. L. Silver Look; reserve, Treasure Acres on Miss Bell. Premier Sire award—Lettow Bros. on Western Gold; reserve, Treasure Acres on Iowa Lad.

Barrows: 180 to 205 lbs. (23 shown)—1, Emery Riemenschneider; 2, Dale McGraw; 3, Treasure Acres. 206 to 250 lbs. (11 shown)—1, Allen Lang & Son; 2, Fred F. Goodchild & Sons; 3, LeRoy Faint. **Champion barrow**—Emery Riemenschneider; reserve, Dale McGraw.

BERKSHIRES

Judge: Hartman Coffin, Zearing, Iowa.

Exhibitors (from Iowa unless otherwise indicated): Gary Banks, Seymour; Bonnie Acres Farm, Holstein; Alex Conover, Holstein; Clark Conover, Holstein; Daryl Engstrom, Stratford; Dean E. Engstrom, Stratford; Larry and Gary Erickson, Stanhope; LeRoy Faint, Aplington; Father Flanagan's Boys Home, Boys Town, Nebr.; Golden Glow Farms, Ionia; E. O. Herbold & Sons, Colfax; Honey B. Farms, Blair, Nebr.; Kermit L. Hougen, Radcliffe; Robert M. Jacobsen, Indianola; Lynnwood Farm, Carmel, Ind.; Donald W. McMurray, Harvey; Proske Bros., Muscatine; Eugene Ryerson, Eagle Grove; C. W. Tucker, Jr., Newtown, Mo.; John E. Tucker, Newtown, Mo.; John Randall Tucker, Newtown, Mo.; Milo V. Wolrab, Mt. Vernon; Vincent Wolrab, Mt. Vernon.

Boars: Aged (7 shown)—1, Lynnwood Farm; 2, Alex Conover; 3, Donald McMurray. Senior yearlings (5 shown)—1, Proske Bros.; 2, Bonnie Acre Farm; 3, Lynnwood Farm. Junior yearlings (7 shown)—1, Golden Glow Farms; 2, Donald W. McMurray; 3, John E. Tucker. Fall (9 shown)—1, Lynnwood Farm; 2, Milo V. Wolrab; 3, Donald W. McMurray. Senior spring (33 shown)—1, Milo V. Wolrab; 2, LeRoy Faint; 3, Lynnwood Farm. Junior spring (24 shown)—1, LeRoy Faint; 2, Lynnwood Farm; 3, Milo V. Wolrab. Senior champion boar—Lynnwood Farm on Lynnwood Compensation (aged); reserve, Golden Glow Farms on Maplewood New Maker 10th (junior yearling). Junior champion boar—Milo V. Wolrab on Wayside Mixer's Playmaster 2nd (senior spring); reserve, LeRoy Faint on Perfection Lad 16th (senior spring). **Grand champion boar**—Lynnwood Farm on Lynnwood Compensation; reserve, Golden Glow Farms on Maplewood New Maker 10th.

Sows: Aged (8 shown)—1, Milo V. Wolrab; 2, Lynnwood Farm; 3, Golden Glow Farms. Senior yearlings (8 shown)—1, Milo V. Wolrab; 2, LeRoy Faint; 3, Lynnwood Farm. Junior yearlings (13 shown)—1, Honey B Farms; 2, Milo V. Wolrab; 3, Golden Glow Farms. Fall (13 shown)—1 & 3, Milo V. Wolrab; 2, Father Flanagan's Boys Home. Senior spring (32 shown) 1, Honey B. Farms; 2, Lynnwood Farm; 3, Milo V. Wolrab. Junior spring (25 shown)—1, Robert M. Jacobsen; 2, Lynnwood Farms; 3, Kermit L. Hougen. Senior champion sow—Milo V. Wolrab on Wayside Blendmere Lassie (senior yearling); reserve, Honey B Farms on Honey B Fair Lady 2nd (junior yearling). Junior champion sow—Honey B Farms on Honey B Fair Lady 12th (senior spring); reserve, Robert M. Jacobsen on Jake's Regent's Lady 2nd. (junior spring). **Grand champion sow**—Milo V. Wolrab on Wayside Blendmere Lassie; reserve, Honey B Farms on Honey B Fair Lady 12th. Premier sire award—Milo V. Wolrab on Wayside Mixer; reserve, LeRoy Faint on Wayside Perfection.

Barrows: 180 to 205 lbs. (7 shown)—1, E. O. Herbold & Sons; 2, LeRoy Faint; 3, Father Flanaan's Boys Home. 206 to 250 lbs. (7 shown)—1, Milo V. Wolrab; 2, Golden Glow Farms; 3, Kermit L. Hougen. **Grand champion barrow**—Milo V. Wolrab; reserve, Golden Glow Farms.

CHESTER WHITES

Judge: Marvin Garner, St. Joseph, Mo.

Exhibitors (from Iowa unless otherwise indicated): Harley Allen, Abingdon, Ill.; Roy V. Copp & Son, Glidden; Ron Derschied, Eagle Grove; Henry J. Dickinson, Sabula; Mary Lou Dickinson, Sabula; Richard Eggers, State Center; Robert Eggers, State Center; L. E. Elson & Sons, Bondurant; Roger Faulkner, Eagle Grove; Don Flumerfelt, Eagle Grove; Larry Haines, Bondurant; Kenneth Hamer, Eagle Grove; Ed Harms & Son, Amber; Charles Harrington, DeWitt; Hemphill Bros., Cambridge, Ill.; Harold Johannes & Sons, Kent; Seth W. Johnson & Son, Kiron; Fred McKibbin, Rhodes; Clarence Meyer, Waverly; H. O. & Layton L. Miller, Runnells; R. A. Riemenschneider, Kingsley; I. L. Rudasill & Sons, Moline, Mo.; Walter Schminke, Van Horne; Wm. Schubert & Sons, Stockton, Ill.; Smith Implement, Bondurant; Wayne L. Spire & Son, Montour; Robert Vosseller, Plainfield; Kenneth Wendt & Son, Buckingham; Russell Werning, Vinton; R. E. Williams & Sons, Iowa City; Williamson Bros., Eagle Grove.

Boars: Aged (8 shown)—1, Hemphill Bros.; 2, Roy V. Copp & Son; 3, Charles Harrington. Senior yearlings (3 shown)—1, Roy V. Copp & Son; 2, Ed Harms & Son; 3, Harold Johannes & Sons. Junior yearlings (12 shown)—1, Kenneth Wendt & Son; 2, Robert Vosseller; 3, Hemphill Bros. Fall (6 shown)—1, L. E. Elson & Sons; 2, I. L. Rudasill & Sons; 3, Robert Eggers. Senior spring (37 shown)—1, Kenneth Wendt & Son; 2, I. L. Rudasill & Sons; 3, Walter Schminke. Junior spring (26 shown)—1, Walter Schminke; 2, Seth W. Johnson & Son; 3, Hemphill Bros. Senior champion boar—Kenneth Wendt & Son on White Cyclone (junior yearling); reserve, Hemphill Bros. on Special Agent (aged). Junior champion boar—Kenneth Wendt & Son on White Champion (senior spring); reserve, Walter Schminke on Whitecap Master (junior spring). **Grand champion boar**—Kenneth Wendt & Son on White Cyclone; reserve, Hemphill Bros. on Special Agent.

Sows: Aged (17 shown)—1, R. E. Williams & Sons; 2, I. L. Rudasill & Sons; 3, Clarence Meyer. Senior yearlings (7 shown)—1, Henry J. Dickinson; 2, R. A. Riemenschneider; 3, Robert Eggers. Junior yearlings (25 shown)—1, I. L. Rudasill & Sons; 2, Seth W. Johnson & Son; 3, Walter Schminke. Fall (15 shown)—1, R. A. Riemenschneider; 2, Roy V. Copp & Son; 3, Henry J. Dickinson. Senior spring (39 shown)—1, Clarence Meyer; 2, Smith Implement; 3, Seth W. Johnson & Son. Junior spring (31 shown)—1, I. L. Rudasill & Sons; 2, Kenneth Wendt & Son; 3, R. A. Riemenschneider. Senior champion sow—I. L. Rudasill & Sons on Silver Model Lady (junior yearling); reserve, Henry Dickinson on Supreme Jennie (senior yearling). Junior champion sow—Clarence Meyer on Lee's Stylish Lady (senior spring); reserve, I. L. Rudasill & Sons on Miss Silver (junior spring). **Grand champion sow**—I. L. Rudasill & Sons on Silver Model Lady; reserve, Clarence Meyer on Lee's Stylish Lady. Premier sire award—Smith Implement on Lincoln Ranger; reserve, Seth W. Johnson & Son on C.B.S. Lad.

Barrows: 180 to 205 lbs. (14 shown)—1, R. E. Williams & Sons; 2, Harold Johannes & Sons; 3, Smith Implement. 206 to 250 lbs. (8 shown)—1, R. E. Williams & Sons; 2, Charles Harrington; 3, Ron Derschied. **Champion barrow**—R. E. Williams & Sons; reserve, Harold Johannes & Sons.

SPOTTED POLAND CHINAS

Judge: Wilbur Plager, Des Moines, Iowa.

Exhibitors (from Iowa unless otherwise indicated): A. J. Anderson & Sons, Kellogg; Carroll Anderson, Kellogg; Arthur Bailey & Sons, West Liberty; John Claussen & Son, Davenport; Duane Dotson, Atalissa; Eddie Bros., Storm Lake; Roger Eddie, Storm Lake; Russell Eddie, Storm Lake; R. A. Fee, Pleasantville; Rodney Fee, Pleasantville; Fred Fuller, Iowa Falls; Gary Fuller, Iowa Falls; Gary Goehring, Selma; Keith Goehring, Selma; Larry Goehring, Selma; Clifford Goff & Sons, Burwell, Nebr.; Roy W. Hackbart, Osage; John Heemstra, Lucas; Bill Hemm, Chapin; Vernon Irlbeck, Templeton; W. E. Irlbeck, Templeton; Earl Kellogg & Sons, Winfield; McElroy Bros., Afton; Jim McHugh, Jr., Boone; Fred McKibbin, Rhodes; Willard Merryman, Marshalltown; Bill Murphy, Atlantic; Cecil D. Murphy, Atlantic; Earl Pothast, Spencer; Norman Pothast, Spencer; Norman Pothast & Eddie Bros., Spencer; Don Schaumberg, Eagle Grove; Ronald Spangler, Eagle Grove; J. W. Triggs & Sons, Mt. Ayr; Harley M. Weber & Sons, Cumberland.

Boars: Aged (9 shown)—1, Gray Bros.; 2, John Heemstra; 3, John Claussen & Son. Senior yearlings (3 shown)—1, J. W. Triggs & Sons; 2, Earl Kellogg & Sons; 3, A. J. Anderson & Sons. Junior yearlings (14 shown)—1, A. J. Anderson & Sons; 2, Roy W. Hackbart; 3, Clifford Goff & Sons. Fall (11 shown)—1, R. A. Fee; 2, Willard Merryman; 3, W. E. Irlbeck. Senior spring (50 shown)—1, Norman Pothast; 2, Roger Eddie; 3, Eddie Bros. Junior spring (31 shown)—1, Eddie Bros.; 2, Vernon Irlbeck; 3, Clifford Goff & Sons. Senior champion boar—A. J. Anderson & Sons on Radium (junior yearling); reserve, Roy W. Hackbart on Quality Kid (junior yearling). Junior champion boar—Norman Pothast on Long Shot (senior spring); reserve, Eddie Bros. on Monsanto (junior spring). **Grand champion boar**—A. J. Anderson & Sons on Radium; reserve, Roy W. Hackbart on Quality Kid.

Sows: Aged (9 shown)—1, Eddie Bros.; 2, J. W. Triggs & Sons; 3, Cecil D. Murphy. Senior yearlings (6 shown)—1, Bill Hemm; 2, Duane Dotson; 3, Earl Kellogg & Sons. Junior yearlings (17 shown)—1, Bill Hemm; 2, Gray Bros.; 3, Clifford Goff & Sons. Fall (15 shown)—1, Clifford Goff & Sons; 2, Larry Goehring; 3, Norman Pothast. Senior spring (47 shown)—1 & 2, Bill Hemm; 3, Eddie Bros. Junior spring (35 shown)—1, Roger Eddie; 2, J. W. Triggs & Sons; 3, John Heemstra. Senior champion—Eddie Bros. on Miss Gay (aged); reserve, Bill Hemm on Keen Melody (senior yearling). Junior champion sow—Bill Hemm on Mysty Morn (senior spring); reserve, Bill Hemm on Dungaree Doll (senior spring). **Grand champion sow**—Eddie Bros. on Miss Gay; reserve champion, Bill Hemm on Keen Melody. Premier sire award—A. J. Anderson on Radium; reserve, Norman Pothast & Eddie Bros. on Long Shot.

Barrows: 180 to 205 lbs. (21 shown)—1, Willard Merryman; 2, Eddie Bros.; 3, Gary Goehring. 206 to 250 lbs. (9 shown)—1, A. J. Anderson & Sons; 2, Eddie Bros.; 3, Bill Hemm. **Champion barrow**—A. J. Anderson & Sons; reserve, Willard Merryman.

POLAND CHINAS

Judge: Oscar Anderson, Leland, Illinois.

Exhibitors (from Iowa unless otherwise indicated): Abrams Bros., Toledo; Bob Brisbin, Eagle Grove; Brown & Brown, Hampton; Kent Brown, Hampton; Milton B. Charlson & Son, Lake Mills; Henry Clark & Sons, Le Claire; Ed Crayne, Washington; Donald Dugan, Storm Lake; Eugene Dugan & Sons, Storm Lake; N. L. Farmer & Son, Platte City, Mo.; Floyd Friedow & Sons, Kanawha; Lincoln Goll, Garner; Alvin Gray, Titonka; Gray Bros., Titonka; Harvey Hansen, Eagle Grove; Helgens Bros., Monticello; E. F. Henderson, Kansas City, Kans.; Carl Hirsch & Son, Indianola; Harold H. Hodson, West Des Moines; Paul J. Huinker, Ridgeway; Jerry Johnson, Eagle Grove; Dale Krieger, Minburn; Kupersmith & Koch, Warren, Ill.; Oscar D. Larson & Sons, Webster City; Fred McKibbin, Rhodes; H. M. Meneough, Grimes; Dave Mishler, Eagle Grove; Morgan & Morgan, Harlan; J. Cyrus Morton, Indianola; Lyle M. Olson, Atkins; Penningroth Bros., Wellman; Phillips & Ritchie, Albert City; E. Gene Scott, Leon; Don J. Spangler, Eagle Grove; J. W. Triggs & Sons, Mount Ayr; Watts Farm, Clarion; Wengert Bros., State Center; Harold Wengert, Colo.

Boars: Aged (8 shown)—1, H. M. Meneough; 2, Floyd Friedow & Sons; 3, Brown & Brown. Senior yearlings (3 shown)—1, Helgens Bros.; 2, Wengert Bros.; 3, Abrams Bros. Junior yearlings (8 shown)—1, Carl Hirsch & Son; 2, Morgan & Morgan; 3, E. F. Henderson. Fall (9 shown)—1, Wengert Bros.; 2, Abrams Bros.; 3, Milton B. Charlson & Son. Senior spring (48 shown)—1, Oscar D. Larson & Sons; 2, H. M. Meneough; 3, Floyd Friedow & Sons. Junior spring (20 shown)—1, H. M. Meneough; 2, Kupersmith & Koch; 3, Carl Hirsch & Son. Senior champion boar—Carl Hirsch & Son on Modernistic (junior yearling); reserve, H. M. Meneough on The Best Man (aged). Junior champion boar—Wengert Bros. on Fairhaven Champ (fall); reserve, Oscar D. Larson & Sons on Irresistible (senior spring). **Grand champion boar**—Hirsch & Son on Modernistic; reserve, Meneough on The Best Man.

Sows: Aged (12 shown)—1 and 2, Moggan & Morgan; 3, Oscar D. Larson & Sons. Senior yearlings (8 shown)—1, Penningroth Bros.; 2, E. Gene Scott; 3, Oscar D. Larson & Sons. Junior yearlings (18 shown)—1, Floyd Friedow & Sons; 2, Helgens Bros.; 3, Milton B. Charlson & Sons. Fall—1, Helgens Bros.; 2, H. M. Meneough; 3, Floyd Friedow & Sons. Senior spring (46 shown)—1, Carl Hirsch & Son; 2, Paul J. Huinker; 3, Floyd Friedow & Sons. Junior spring (42 shown)—1, Floyd Friedow & Sons; 2, Lyle M. Olson; 3, Eugene Dugan & Sons. Senior champion sow—Morgan & Morgan on Lucky Lady Look (aged); reserve, Morgan & Morgan on M&M Gem (aged). Junior champion sow—Floyd Friedow & Sons on Mi Lady Supreme (junior spring); reserve, Lyle M. Olson on Pinegrove Designlite Lady (junior spring). **Grand champion sow**—Modgan & Morgan on Lucky Lady Look; reserve, Morgan & Morgan on M&M Gem. Premier sire award—Hirsch & Son on Modernistic; reserve, Meneough on The Best Man.

Barrows: 180-205 lbs. (19 shown)—1, Dale Krieger; 2, Helgens Bros.; 3, Lyle M. Olson. 206-250 lbs. (13 shown)—1, Dale Krieger; 2, Oscar D. Larson & Sons; 3, Lyle M. Olson. Grand champion barrow—Dale Krieger; reserve, Oscar D. Larson & Sons.

Barrow Champion

180 to 205 pounds—Champion, Robert Ekstrom, (Duroc); reserve, Dale Kreiger, (Poland China).

206 to 250 pounds—Champion, Milo V. Wolrab, Mount Vernon (Berkshire); reserve, Dale Krieger, (Poland China).

Grand champion barrow—Milo V. Wolrab; reserve, Robert Ekstrom.

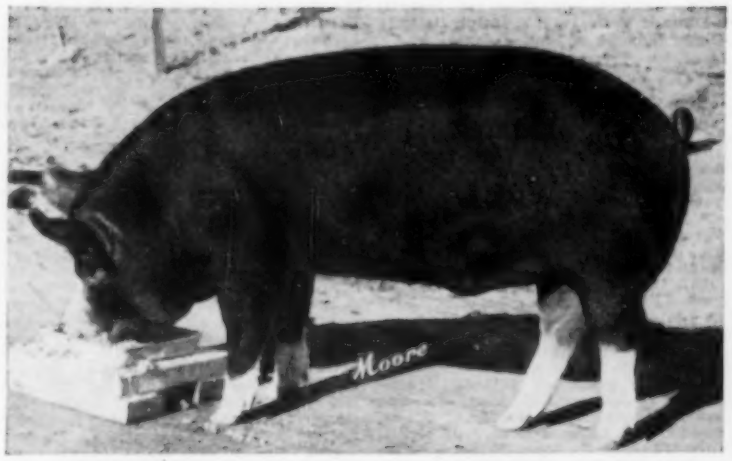
4-H Breeding Pigs

Judges: Ed Helgens, Monticello, Iowa, and Leon Frantz, Grand Junction, Iowa.

Poland Chinas: Boar (8 shown)—1, Eldon Clark, Le Claire; 2, Dennis Wengert, St. Anthony; 3, Kent Brown, Hampton. Sows (13 shown)—1 and 3, David Huinker, Decorah; 2, Kent Brown. Litters (6 shown)—1, David Huinker; 2, Eldon Clark; 3, Dennis Wengert.

Durocs: Boars (17 shown)—1, Alan Duea, Thornton; 2, Fred Durian, Jr., Wellman; 3, Bob Harris, Pilot Mound. Sows (36 shown)—1, Alan Duea; 2, R.

(Continued on page 97)



AT THIS YEAR'S Iowa State Fair, the grand champion barrow was this 312-pound Berkshire shown by Milo V. Wolrab, Berkshire breeder of Mount Vernon, Iowa.

(Continued from page 96)

C. Rush, Kellerton; 3, Larry Ely, Rhodes. Litters (16 shown)—1, Alan Duea; 2, Fred Durian, Jr.; 3, Bernard Bartholow, Washington.

Chester Whites: Boars (14 shown)—1, Robert Teeters, Paton; 2, Shirley Dettman, Sac City; 3, Bernard Johannes, Kent. Sows (22 shown)—1 and 2, Robert Eggers, State Center; 2, Bernard Johannes. Litters (12 shown)—1, Robert Eggers; 2, Shirley Dettman; 3, Paul Wendt, Buckingham.

Spotted Poland Chinas: Boars (7 shown)—1, Rodney Fee, Pleasantville; 2, Kenneth Johnson, Parkersburg; 3, Alan Van Der Kamp, Taintor. Sows (12 shown)—1 and 2, Gary Goehring, Selma; 3, Rodney Fee. Litters (6 shown)—1, Rodney Fee; 2, Alan Van Der Kamp; 3, Gary Goehring.

Hampshires: Boars (11 shown)—1, Larry Witte, State Center; 2, Allan Thoreson, Ellsworth; 3, Charles Lettow, Iowa Falls. Sows (24 shown)—1 and 3, Jack Fitz, Melbourne; 2, Larry Witte. Litters (11 shown)—1, Jack Fitz; 2, Larry Witte; 3, Allan Thoreson.

Berkshires: Boars (3 shown)—1, Jim Herbold, Colfax; 2, Clark Conover, Holstein; Daryl Engstrom, Stratford. Sows (6 shown)—1 and 3, Jim Herbold; 2, Clark Conover. Litters (3 shown)—1, Jim Herbold; 2, Clark Conover; 3, Daryl Engstrom.

Tamworths: Boars (6 shown)—1, Joe Henderson, Coin; 2, Jack Flater, Grundy Center; 3, Delmar Emmack, Monroe. Sows (9 shown)—1, Jack Flater; 2, Joe Henderson; 3, Dale Draper. Litters (3 shown)—1, Joe Henderson; 2, Jack Flater; 3, Dale Draper.

Yorkshires: Boars (14 shown)—1, Joe Henderson, Coin; 2, Harvey Hadden, Castana; 3, Joe Barth, Oxford Junction. Sows (22 shown)—1, Harold Nichol, Jr., Melbourne; Allan Heggs, Kellerton; 3, Harvey Hadden. Litters (5 shown)—1, Harvey Hadden; 2, Don Barry, Van Horne; 3, Harold Nichol, Jr.

4-H Market Pigs

Judges: Lou Thompson, Waterloo; Leonard Duman, Davenport; Bernard Ebbing, Waterloo; Robert Gadd, Fort Dodge; Carroll Plager, Austin, Minn.

Poland Chinas: Market Pigs (23 shown)—Blue ribbons: Phil Bane, Oakland (2); Duane Black, Ames; Howard Fosse, Radcliffe (2); Keith Hora, Washington (2); David Huinker, Decorah (2); Barbara Kopel, Marshalltown (2); Jim Kopel, Marshalltown; Jon Lineweaver, Ames; Roger Vanderploeg, Britt (2); Gerald Wheelock, Conrad (2); Alvin Clark, Radcliffe (2). Champion—David Huinker, Decorah; reserve, David Huinker. Pens (11 shown)—Blue ribbons: Phil Bane, Howard Fosse, Keith Hora, David Huinker, Barbara Kopel, Roger Vanderploeg, Gerald Wheelock, Alvin Clark.

Duroes: Market pigs (11 shown)—Blue Ribbons: Bill Durian, Wellman (2); Mary Franklin, Knoxville (2); Keith Hora, Washington; Jon O'Neal, Tingley; R. C. Rush, Kellerton (2); Champion—Bill Durian, Wellman; reserve, Mary Franklin, Knoxville. Pens (5 shown)—1, Mary Franklin; 2, Bill Durian; 3, R. C. Rush.

Chester Whites: Market pigs (14 shown)—Blue ribbons: Dick Corwin, Cedar Falls (2); Bill Dilcher, Dysart (2); Darrel Detman, Sac City; Robert Eggers, State Center (2); Sam Herr, Dallas Center (2); Bernard Johannes, Kent (2); Lyman Walker, Kellerton. Champion—Sam Herr, Dallas Center; reserve, Darrel Detman, Sac City. Pens (7 shown)—1, Sam Herr; 2, Robert Eggers; 3, Lyman Walker.

Hampshires: Market pigs (17 shown)—Blue ribbons: Eric Dee, State Center (2); Carl Fricke, State Center; Greiner Bros., Keota (2); Earle Knudson, Marshalltown (2); Phillip Simms, Beaman (2); Ronnie Smith, Adel (2); Larry Witte, State Center (2); Paul Wolken, Marshalltown. Champion—Greiner Bros., Keota; reserve, Greiner Bros. Pens (7 shown)—1, Greiner Bros.; 2, Ronnie Smith; 3, Larry Witte.

Berkshires: Market pigs (4 shown)—Blue ribbons: Jim Herbold, Colfax (2). Champion—Jim Herbold, Colfax; reserve, Jim Herbold. Pens (3 shown)—1, Jim Herbold; 2, Daryl Engstrom, Stratford; 3, Mike Bienson, State Center.

Yorkshires: Market pigs (20 shown)—Blue ribbons: Eddie Adamson, Cedar Falls (2); Lynn Benson, Sidney (2); Raymond Cheever, Chapin (2); Alan Heggs, Kellerton; Joe Henderson, Coin; Paul Hum, Cedar Falls (2); Richard Mark, Cedar Falls (2); Harold Nichol, Jr., Melbourne; Roger Stanley, Beaconsfield (2); Norman Stine, Adel (2). Champion—Eddie Adamson, Cedar Falls; reserve, Harold Nichol, Jr., Melbourne.

Other breed or crossbreds: Market pigs (13 shown)—Blue ribbons: Rodney Fee, Pleasantville; Jim Hermann, Waukee (2); Ralph Hermann, Waukee (2); Bill Horner, Red Oak; Jack Mitchell, Bridgewater; Norman Van Zante, Reasnor (2). Champion—Bill Horner, Red Oak; resere, Norman Van Zante, Reasnor. Pens (6 shown)—1, Norman Van Zante; 2, Betty Glider, Webster; 3, Reva Sheaffer, Adel.

Grand champion 4-H market pig—Eddie Adamson, Cedar Falls (Yorkshire); reserve, David Huinker, Decorah (Poland China).

Champion pen—Eddie Adamson, Cedar Falls (Yorkshire); reserve, David Huinker, Decorah (Poland China).

County groups (5 shown)—1, Dallas; 2, Marshall; 3, Jasper.

Market Litters (7 shown)—1, Ronnie Smith, Adel; 2, Sam Herr, Dallas Center; 3, Norman Stine, Adel.

Dairy Cattle

JERSEYS

Judge: John Fawcett, Point Lookout, Missouri.

Exhibitors (from Iowa unless otherwise indicated): Rodney Fee, Pleasantville; Gunnar Wm. Glad, Stratford; Forrest Hatfield, Newton; Hutchinson's Jerseys, Versailles, Mo.; Jersey Parish District No. 4, West Liberty; Jersey Parish District No. 5, Toledo; Jersey Parish District No. 7, Indianola; Kleins Jerseys, Versailles, Mo.; Wm. P. Leedom, Ottumwa; Lyon Bros., Traer; Earl L. Lyon & Sons, Toledo; Russell Lyon, Traer; Billy McCorkle, Knoxville; Harold R. & Robert H. Massee, Nashua; James A. Marks, Prole; Roland Marks, Prole; Vernon Marks, Prole; D. H. Miller & Son, Norway; Mrs. Jessie Roth, Spirit Lake; Harland Safley, Sheridan, Mo.; M. G. Safley, Hopkins, Mo.; Bert & Clifford Sams, Beaman; A. W. Schneider & Charles M. Young, Jesup; Shadyrest Jerseys, West Liberty; Merle Simpson, Spirit Lake; E. J. Skala & Skala Bros., Tama; Homer O. Smith, Ottumwa; Frank E. Tedesco, College Dairy Farm, Ames; Dennis Truckenmiller, Allendorf; Gary Wolter, Ocheyedan.

Bulls: Calves (12 shown)—1, Shadyrest Jerseys; 2 and 3, Harold R. & Robert H. Massee. Junior yearlings (2 shown)—1, Shadyrest Jerseys; 2, Harold R. & Robert H. Massee. Senior yearlings (4 shown)—1, Earl L. Lyon & Sons; 2, Merle Simpson; 3, E. J. Skala & Skala Bros. Two year olds (3 shown)—1, A. W. Schneider & Charles M. Young; 2, Russell Lyon; 3, Gunnar Wm. Glad. Aged (5 shown)—1, Bert & Clifford Sams; 2, Shadyrest Jerseys; 3, Harold R. & Robert H. Massee. Senior champion bull—Bert & Clifford Sams on Dandy Polly Royal (aged). Junior champion bull—Shadyrest Jerseys on Basileus Jester Pinnacle (calf). **Grand champion bull**—Bert & Clifford Sams on Dandy Polly Royal.

Females: Cows judged on udder (16 shown)—1 and 2, Bert & Clifford Sams; 3, Earl L. Lyon & Sons. Calves (15 shown)—1, Shadyrest Jerseys; 2, Earl L. Lyon & Sons; 3, Russell Lyon. Junior yearlings (11 shown)—1, E. J. Skala & Skala Bros.; 2, Bert & Clifford Sams; 3, Kleins Jerseys. Senior yearlings (10 shown)—1, Bert & Clifford Sams; 2 and 3, Earl L. Lyons & Sons. Two year olds (18 shown)—1 and 3, Earl L. Lyon & Sons 2, E. J. Skala & Skala Bros. Three year olds (11 shown)—1 and 2, Bert & Clifford Sams; 3, Kleins Jerseys. Four year olds (8 shown)—1, Bert & Clifford Sams; 2, Shadyrest Jerseys; 3, Merle

(Continued on page 98)

At the Fair and Everywhere KIOA FILLS THE AIR!!

The Purina Champ was just one of the many features broadcast by the KIOA Farm Department during the Iowa State Fair. Daily programs originated from inside the huge plastic steer as thousands of visitors toured the 13 by 20 foot exhibit.

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Carl Hirsch & Son, Indianola, Iowa, showed the senior and grand champion Poland China boar, Modernistic, at the Iowa State Fair.

This Hampshire boar was named senior champion of his breed. He's Grand Fashion, owned and shown by Cecil Wilson, Lenox, Iowa.

State Fair Results

(Continued from page 97)

Simpson. Aged (11 shown)—1, Bert & Clifford Sams; 2, E. J. Skala & Skala Bros.; 3, Shadyrest Jerseys. Senior champion female—Bert & Clifford Sams on Pinn's Ruth (aged). Junior champion female—Shadyrest Jerseys. **Grand champion female**—Bert & Clifford Sams on Pinn's Ruth. Premier breeder—Bert & Clifford Sams. Premier exhibitor—Bert & Clifford Sams.

Groups: Dairy herds (8 shown)—1, Bert & Clifford Sams; 2, A. W. Schneider & Charles M. Young; 3, E. J. Skala & Skala Bros. Three females (11 shown)—1, Bert & Clifford Sams; 2, Shadyrest Jerseys; 3, Kleins Jerseys. Get of sire (10 shown)—1, Bert & Clifford Sams; 2, Russell Lyon; 3, Shadyrest Jerseys. Junior get of sire (11 shown)—1, Shadyrest Jerseys; 2, Russell Lyon; 3, E. J. Skala & Skala Bros. Produce of dam (14 shown)—1 and 3, Bert & Clifford Sams; 2, Shadyrest Jerseys.

AYRSHIRES

Judge: Fred Foreman, Ames, Iowa.

Exhibitors (from Iowa unless otherwise indicated): Ayrshire East Central Iowa District, Olin; Roger Burlingame, Grinnell; Central Iowa Ayrshire District, Brooklyn; Nick De Ronde, Reasner; Harold Hanneman, Decorah; Leslie Hanneman, Decorah; Wayne Hanneman, Decorah; Io Wayside Farm, Stockton; Howie Lang & Sons, Brooklyn; Maynard Lang & Sons, Brooklyn; Howard K. Mackey & Son, Olin; Hugo Roehlk & Son, Walcott; Edwin Schiele, Stockton; Glenda Sears, Grinnell; Richard Sears & Son, Grinnell; B. C. Stephenson & Sons, Riceville.

Bulls: Calves (2 shown)—1, Richard Sears & Son; 2, Howie Lang & Sons; 3, B. C. Stephenson & Sons. Junior yearlings (3 shown) —1, Howard Mackey & Son; 2, B. C. Stephenson & Sons; 3, Leslie Hanneman. Senior yearlings (3 shown)—1, Howie Lang & Sons; 2, Hugo Roehlk & Son; 3, B. C. Stephenson & Son. Aged (one shown)—1, Harold Hanneman. Senior Champion bull—Harold Hanneman on Toll Gate Blockade (aged). Junior champion bull—Howie Lang & Sons on Iow Ayr Designer's Jupiter (senior yearling). **Grand champion bull**—Howie Lang & Sons on Iow Ayr Designer's Jupiter.

Females: Cows judged on udder (9 shown)—1, Howard Mackey & Son; 2, Howie Lang & Sons; 3, B. C. Stephenson & Sons. Calves (18 shown)—1, Howard Mackey & Son; 2, Edwin Schiele; 3, Richard Sears & Son. Junior yearlings (10 shown)—1, B. C. Stephenson & Sons; 2, Maynard Lang & Sons; 3, Richard Sears & Son. Senior yearlings (11 shown)—1, Howard Mackey & Son; 2, Howie Lang & Sons; 3, Richard Sears & Son. Two year olds (13 shown)—1, Howard Mackey & Son; 2, Glenda Sears; 3, Howie Lang & Sons. Three year olds (9 shown)—1, Io Wayside Farm; 2, B. C. Stephenson; 3, Howie Lang & Sons. Four year olds (7 shown)—1 and 2, Howie Lang & Sons; 3 B. C. Stephenson & Sons. Aged (7 shown)—1, Howie Lang & Sons; 2, Richard Sears & Son; 3, Hugo Roehlk & Son. Senior champion female—Howard Mackey & Son on Plainview Dairy Belle 2nd (two year old). Junior champion female—Howard Mackey & Son on Plainview Dairy Maid 2nd (senior yearling). **Grand champion female**—Mackey & Son on Plainview Dairy Belle 2nd. Premier breeder—Howie Lang & Sons. Premier exhibitor—Howie Lang & Sons.

Groups: Dairy herds (3 shown)—1, Howie Lang & Sons; 2, Io Wayside Farm; 3, B. C. Stephenson & Sons. Three females (6 shown)—1, Howard Mackey & Son; 2, Howie Lang & Sons; 3, Io Wayside Farm. Get of sire (7 shown)—1, Howie Lang & Sons; 2, Maynard Lang & Sons; 3, B. C. Stephenson & Sons. Junior get of sire (5 shown)—1, Howard Mackey & Son; 2, Howie Lang & Sons; 3, Io Wayside Farm. Produce of dam (8 shown)—1, Howie Lang & Sons; 2, Hugo Roehlk & Son; 3, B. C. Stephenson & Sons.

BROWN SWISS

Judge: E. N. Hansen, Cary, Illinois.

Exhibitors (from Iowa unless otherwise indicated): Ralph Bright, Eldora; Brown Swiss Canton No. 2, Eldora; Brown Swiss Canton No. 3, Gowrie; Brown Swiss District Herd, Eldora; Wendell Butson, Hampton; Dannen Mills, Inc., St. Joseph, Mo.; Dell Valley Farms, Bettendorf; J. L. Hiemstra & Son, Prairie City; Clarence T. Lange, Eldora; Clyde Monson & Son, Gowrie; Wayne Norris, Eldora; Barbara Schulte, Norway; Alden Skinner, Runnells; Carl Van Houweling, Prairie City; Myron Van Houweling, Prairie City; R. H. Vogler & Son, Ogden; LaVaughn Wilcox, Guernsey.

Bulls: Calves (3 shown)—1, LaVaughn Wilcox; 2, Dannen Mills, Inc.; 3, Ralph Bright. Junior yearlings (3 shown)—1, Dannen Mills, Inc.; 2, Ralph Bright; 3, Clarence T. Lange. Senior yearlings (one shown)—1, Dell Valley Farms. Two year olds (3 shown)—1, Wendell Butson; 2, Ralph Bright; 3, LaVaughn Wilcox. Aged (none shown). Senior champion bull—Wendell Butson on Butson's Charlie (two year old). Junior champion bull—Dell Valley Farms on Welcome In Instructor (senior yearling). **Grand champion bull**—Wendell Butson on Butson's Charlie.

Females: Cows judged on udder (11 shown)—1 and 3, Clyde Monson & Son; 2, Ralph Bright. Calves (18 shown)—1, Ralph Bright; 2, Alden Skinner; 3, Clarence T. Lange. Junior yearlings (8 shown)—1, Barbara Schulte; 2, Ralph Bright; 3, Dannen Mills, Inc. Senior yearlings (12 shown)—1, Dannen Mills, Inc.; 2, Dell Valley Farms; 3, Clyde Monson & Son. Two year olds ((11 shown)—1 and 3, Ralph Bright; 2, Clyde Monson & Son. Three year olds (8 shown)—1 and 2, Ralph Bright; 3, Clyde Monson & Son. Four year olds (10 shown)—1 and 3, Clyde Monson & Son; 2, Ralph Bright. Aged (13 shown)—1 and 2, Clyde Monson & Son; 3, Ralph Bright. Senior champion female—Clyde Monson & Son on Sir Michael Mabel. Junior champion female—Barbara Schulte on Schulte's Belle Ringer (junior yearling). **Grand champion female**—Clyde Monson & Son on Sir Michael Mabel.

Groups: Dairy herds (6 shown)—1, Clyde Monson & Son; 2, Ralph Bright; 3, Dannen Mills, Inc. Three females (5 shown)—1, Ralph Bright; 2, Dannen Mills, Inc.; 3, Clyde Monson & Son. Get of sire (4 shown)—1 and 3, Dannen Mills, Inc.; 2, Ralph Bright. Junior get of sire (4 shown)—1, Dannen Mills, Inc.; 2, Ralph Bright; 3, Clarence T. Lange. Produce of dam (10 shown)—1, Dannen Mills, Inc.; 2, Ralph Bright; 3, Clyde Monson & Son.

HOLSTEINS

Judge: E. A. Dawdy, Salina, Kansas.

Exhibitors (from Iowa unless otherwise indicated): Brauns Sunny Lea Farm, Waukesha, Wisc.; Richard K. Bruene, Gladbrook; Centralia Milk Farm, Story City; Father Flanagan's Boys Home, Boys Town, Nebr.; Howard D. Fountain, Iowa City; Giles Bros., West Des Moines; Giles Bros. & Richard Giles, West Des Moines; Giles Bros. & Delmar Tigges, West Des Moines; Max L. Hall, Brooklyn; Hawthorn-Mellody Farms, Libertyville, Ill.; Holstein District No. 2, Maynard; Holstein District No. 4, Gladbrook; Holstein District No. 5, Stockton; Holstein District Herd No. 7, Iowa City; Holstein District No. 8, Manning; Iowaview Farms, Greenfield; A. J. Johnson, Elkader; Jonacre Farms, Boone; Judith Ann Kane, Pleasantville; Richard Lomen, Decorah; Willis McAlpin & Sons, Villisca; Barton McCuen & Son, Yale; Man Cry Co. Farms, Manning; Mar-Will Farm, Iowa City; Clarence & Susan Mikesell, Keswick; Leroy A. Moeckley & Sons, Polk City; Montcliff Holstein Farm, Davenport; Alfred M. Paper, Stockton; Elmer E. Paper, Stockton; Kenneth W. Paper, Stockton; Plank & Plank, Garden City, Mo.; Don Rages & Paul Selken, Smithton, Mo.; Dennis Rehder, Gladbrook; Don Rehder, Gladbrook; Paul Selken Farms, Smithton, Mo.; Spies & Lein, Graettinger; I. P. Steward, Maynard; E. L. Swartzendruber, Wellman; James R. Tompkins, Marengo; Owen Tompkins & Son, Marengo; Roger Tweedy, Mount Pleasant; Harold L. Wheater & Sons, Marshalltown; Robert D. Wheater, Manning.

Bulls: Calves (12 shown)—1 and 3, Brauns Sunny Lea Farm; 2, Richard Lomen. Junior yearlings (4 shown)—1, ManCryCo Farms; 2, Mar-Will Farm; 3, Paul Selken Farm. Senior yearlings (6 shown)—1, Giles Bros. & Delmar Tigges; 2, Barton McCuen & Son; 3, Spies & Lein. Two year olds (6 shown)—1, I. P. Stewart; 2, Elmer F. Paper; 3, Roger Tweedy. Aged (3 shown)—1, Giles Bros.; 2, Willis A. McAlpin & Sons; 3, Paul Selken Farms. Senior champion bull—Giles Bros. and Delmar Tigges on Walker George Pride (senior yearling); **Grand champion bull**—Giles Bros. on Fabst Walker Coburke.

Females: Cows judged on udder (14 shown)—1, I. P. Stewart; 2, Brauns Sunny Lea Farms; 3, ManCryCo Farms. Calves (21 shown) 1, Giles Bros. & Richard Giles; 2, Kenneth W. Paper; 3, Brauns Sunny Lea Farm. Junior yearlings (11 shown)—1, ManCryCo Farms; 2, I. P. Stewart; 3, Father Flanagan's Boys Home. Senior yearlings (24 shown)—1, 2 and 3, I. P. Stewart. Two year olds (19 shown)—1, Alfred M. Paper; 2, ManCryCo Farms; 3, Owen Tompkins & Son. Three year olds (14 shown)—1, Brauns Sunny Lea Farm; 2, Don Rages & Paul Selken; 3, Giles Bros. Four year olds (10 shown)—1, Don Rages & Paul Selken; 2, ManCryCo Farms; 3, Kenneth W. Paper. Aged (17 shown)—1 and 2, Brauns Sunny Lea Farm; 3, I. P. Stewart. Senior champion female—Brauns Sunny Lea Farm on Neva Johanna Pietertje (aged). Junior champion female—I. P. Stewart on Miss Raven Fayne Jo (senior yearling). **Grand champion female**—Brauns Sunny Lea Farm on Neva Johanna Pietertje.

Groups: Dairy herd (5 shown)—1, Brauns Sunny Lea Farm; 2, ManCryCo Farms; 3, Spies & Lein. Three females (8 shown)—1, Paul Selken Farms; 2, ManCryCo Farms; 3, I. P. Stewart. Get of sire (7 shown)—1, Brauns Sunny Lea Farm; 2, ManCryCo Farms; 3, Spies & Lein. Junior get of sire (7 shown)—1, I. P. Stewart; 2, Spies & Lein; 3, Brauns Sunny Lea Farm. Produce of dam (9 shown)—1, I. P. Stewart; 2, Alfred M. Paper; 3, ManCryCo Farms.

GUERNSEYS

Judge: Delbert Kingston, Cary, Illinois.

Exhibitors (from Iowa unless otherwise indicated): Bonnie Vista Guernseys, Mason City; Alvin Bortz, Rudd; Carl Brown, Jr., LuVerne; Forest M. Converse, Beaman; Nelson & Juliette Converse & Sons, Beaman; C. G. Good & Son, Ogden; George Groesbeck, Charles City; Guernsey District No. 6, Polk City; Guernsey District Herd No. 8, Yale; Jo-Be Farms, Omaha, Nebr.; Merrill Johnson, Indianola; Harry & Robert H. Lage, Davenport; C. Graham Lawyer, Clear Lake; Charles Maule, Omaha, Neb.; Dale E. & Helen E. Modlin, Grundy Center; North Iowa Guernsey District No. 5, Algona; Oak Wood Farm, Algona; Onstot & Rule, Indianola; Rosebud Farm, Polk City; H. W. Sawin & Son, Northwood; James Smith, Bloomfield; Elwin Stuart, Elkhart; Raymond Lee Stuart, Elkhart; Frank Sweeney, Independence; Frank & Karen Sweeney, Independence; Mr. & Mrs. James Sweeney, Independence; James Sweeney, Independence; Dennis & Roger Woodruff, Ackworth; Woodruff Farm, Indianola; Wynola Guernsey Farm, Indianola; John Dayle Yoder, Kalona.

Bulls: Calves (12 shown)—1, Wynola Guernsey Farm; 2, Rosebud Farm; 3, Harry & Robert H. Lage. Junior yearlings (6 shown)—1, Harry & Robert H. Lage; 2, Jo-Be Farms; 3, Rosebud Farm. Senior yearlings (5 shown)—1 and 2, C. G. Good & Son; 3, Onstot & Rule. Two year olds (3 shown)—1, John Dayle Yoder; 2, Wynola Guernsey Farm; 3, George Groesbeck. Aged (3 shown)—1, Harry & Robert H. Lage; 2, Woodruff Farm; 3, H. W. Sawin & Son. Senior champion bull—Harry & Robert H. Lage on McDonald Farm Don's Recruit (aged). Junior champion bull—C. G. Good & Son on Curtiss Candy Dapper Lad (senior yearling). **Grand champion bull**—Harry & Robert H. Lage on McDonald Farm Don's Recruit.

Females: Cows judged on udder (17 shown)—1, Harry & Robert H. Lage; 2, Rosebud Farm; 3, John Dayle Yoder. Calves (15 shown)—1 and 2, Rosebud Farm; 3, H. W. Sawin & Son. Junior yearlings (10 shown)—1, Harry & Robert H. Lage; 2 and 3, Rosebud Farm. Senior yearlings (21 shown)—1, Rosebud Farm; 2, Harry & Robert H. Lage; 3, John Dayle Yoder. Two year olds (19 shown)—1, Harry & Robert H. Lage; 2 and 3, Rosebud Farm. Three year olds (16 shown)—1, Rosebud Farm; 2, Jo-Be Farms; 3, John Dayle Yoder. Four year olds (11 shown)—1 and 3, Rosebud Farm; 2, Dennis & Roger Woodruff. Aged (5 shown)—Rosebud Farm; 2, John Dayle Yoder; 3, Woodruff Farm. Senior champion female — Rosebud Farm on Rosebud Farm Dawn (aged). Junior champion female—Harry & Robert H. Lage on Stede Wells Ileen (junior yearling). **Grand champion female**—Rosebud Farms on Rosebud Farm Dawn. Premier breeder—Rosebud Farm. Premier exhibitor—Rosebud Farm.

Groups: Dairy herds (3 shown)—1, Rosebud Farm; 2, Harry & Robert H. Lage; 3, Jo-Be Farms. Three females (10 shown)—1, Rosebud Farm; 2, Harry & Robert H. Lage; 3, Jo-Be Farms. Get of sire (3 shown)—1, Rosebud Farm; 2, Harry & Robert H. Lage; 3, Jo-Be Farms. Junior get of sire (3 shown)—1, Harry & Robert H. Lage; 2 and 3, Rosebud Farm. Produce of dam (15 shown)—1 and 3, Rosebud Farm; 2, Jo-Be Farms.

MILKING SHORTHORNS

Judge: Joe Hunter, Geneseo, Kansas.

Exhibitors (from Iowa unless otherwise indicated): Broadview Farms, Oskaloosa; Clampitt Farms, New Providence; Cloverton Farms, Reinbeck; Floyd Crest Farms, Sheldon; Don Hoover & Sons, Norwalk; Laneview Farms, Chestnut, Ill.; Leeway Farm, Woodbine; McKee Farms, Carlisle; Mysha Farms, St. Anthony; Darrel Shipley, State Center; Barbara J. Stoll, Chestnut, Ill.; Edwin Stoll, Chestnut, Ill.; Vicky Lynn Stoll, Chestnut, Ill.; Sunny Home Stock Farm, Wallingford; Twildo Herd, Clarence.

Bulls: Calves (13 shown)—1, Edwin Stoll; 2, Twildo Herd; 3, Clampitt Farm. Junior yearlings (6 shown)—1, McKee Farms; 2, Clampitt Farms; 3, Mysha Farm. Senior yearlings (5 shown)—1, Broadview Farms; 2, Floyd Crest Farms; 3, Mysha Farm. Two year olds (8 shown)—1, Don Hoover & Sons; 2, Cloverton Farms; 3, Twildo Herd. Aged (4 shown)—1, Mysha Farm; 2, Laneview Farms; 3, Sunny Home Stock Farm. Senior champion bull—

(Continued on page 99)

THE WIGBYS

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How to handle politicians

Senior and grand champion Spotted Poland China sow at the 1956 Iowa State Fair was shown by Eddie Bros., Storm Lake, Iowa.

(Continued from page 98)

Mysha Farm on Mysha Charming Lad (aged). Junior champion bull—McKee Farms on McKees Barrington Beav (junior yearling). **Grand champion bull**—Mysha Farm on Mysha Charming Lad.

Females: Cows judged on udder (12 shown)—1, Laneview Farms; 2, Broadview Farms; 3, Floyd Crest Farms. Calves (18 shown)—1, Barbara J. Stoll; 2, McKee Farms; 3, Mysha Farm. Junior yearlings (10 shown)—1, Cloverton Farms; 2, Mysha Farm; 3, McKee Farms. Senior yearlings (11 shown)—1, Clampitt Farms; 2, Broadview Farms; 3, McKee Farms. Two year olds (13 shown)—1 and 3, McKee Farms; 2, Mysha Farm. Three year olds (7 shown)—1, Broadview Farms; 2, Mysha Farm; 3, Twildo Herd. Four year olds (11 shown)—1, Floyd Crest Farms; 2, Laneview Farms; 3, Twildo Herd. Aged (8 shown)—1, Sunny Home Stock Farm; 2, Laneview Farms; 3, Leeway Farm. Senior champion female—Sunny Home Stock Farm on Nora's Lillie (aged). Junior champion—Clampitt Farms on Lucinda (senior yearling). **Grand champion female**—Sunny Home Stock Farm on Nora's Lillie. Premier breeder—Tie between Mysha Farm and Broadview Farms. Premier exhibitor—Mysha Farm.

Groups: Herds (7 shown)—1, Laneview Farms; 2, Mysha Farm; 3, Twildo Herd. Three females (9 shown)—1, Twildo Herd; 2, Laneview Farms; 3, Cloverton Farms. Get of sire (5 shown)—1, Twildo Herd; 2, McKee Farms; 3, Cloverton Farms. Junior get of sire (7 shown)—1, Laneview Farms; 2, McKee Farms; 3, Cloverton Farms. Produce of dam (14 shown)—1, Mysha Farm; 2, Twildo Herd; 3, Broadview Farms.

FFA Beef Heifers

Judges: A. J. Dyer, Columbia, Mo. (Herefords); Wm. McCone, College Station, So. Dak. (Shorthorns); Herman R. Purdy, University Park, Penn. (Angus).

Herefords: Dropped July 1, 1954 to Dec. 31, 1954 (1 shown)—1, Robert Pearson, West Branch. Dropped Jan. 1 to April 30, 1955 (13 shown)—1 Phillip Benge, Bloomfield; 2, John Brunsman, Earlham; 3, Lee Johnson, Carlisle. Dropped May 1 to Aug. 31, 1955 (5 shown)—1, Dale Lineweaver, Winterset; 2, Karl E. Roberts, Dysart; 3, Ronald Smith, Earlham. Dropped Sept. 1 to Dec. 31, 1955 (1 shown)—1, Donnie Frey, Pleasantville. **Champion**—Dale Lineweaver, Winterset; reserve, Donald Frey, Pleasantville.

Shorthorns: Dropped July 1, 1954 to Dec. 31, 1954 (2 shown)—1, Archie L. Robisop, III, Wapello; 2, Ed Bachman, Bloomfield. Dropped Jan. 1 to April 30, 1955 (2 shown)—1 and 2, Garland Kellogg, Colo. Dropped May 1 to Aug. 31, 1955 (1 shown)—1, Garland Kellogg, Colo. Dropped Sept. 1 to Dec. 31, 1955 (3 shown)—1 and 3, Garland Kellogg, Colo; 2, Archie L. Robinson, III, Wapello. **Champion**—Archie L. Robinson, III; reserve, Garland Kellogg, Colo.

Angus: Dropped July 1, 1954 to Dec. 31, 1954 (4 shown)—1, John Rooks, Eldora; 2 and 3, Thomas Phillips, Linn Grove. Dropped Jan. 1 to April 30, 1955 (11 shown)—1, Jack Van Nice, Muscatine; 2, Edward Pretz, Columbus Junction; 3, Wayne Wetzel, Jr., Muscatine. Dropped May 1 to August 31, 1955 (8 shown)—1, Rodney W. Branner, Muscatine; 2, Wayne Wetzel, Jr., Muscatine; 3, Danny Greiman, Garner. Dropped Sept. 1 to Dec. 31, 1955 (1 shown)—1, Danny Greiman, Garner. **Champion**—Rodney W. Branner, Muscatine; reserve, Jack Van Nice, Muscatine.

4-H Beef Heifers

Judges: A. J. Dyer, Columbia, Mo. (Herefords); Wm. McCone, College Station, So. Dak. (Shorthorns); Herman R. Purdy, University Park, Penn. (Angus).

Produce of former 4-H beef heifers: Herefords (17 shown)—1, Dorothy Fae Siehl, Grinnell; 2, Terry Benfer, Garrison; 3, Jimmy Johnson, Council Bluffs. Shorthorns (8 shown)—1, Julienne Obrecht, Harlan; 2, Marilyn Black, Nevada; 3, Charles Obrecht, Harlan. Angus (14 shown)—1, Earl K. Nau, Mt. Pleasant; 2, Warren Alber, Spirit Lake; 3, Glen Nelson, Brayton.

Herefords: Dropped Jan. 1 to April 30, 1955 (47 shown)—1, Gary Minish, Dysart; 2, Don Miller, Dysart; 3, Jerry Goemaat, Melcher. Dropped May 1 to August 31, 1955 (30 shown)—1, Don Miller, Dysart; 2, Carole Minish, Dysart; 3, Luella Ahrendsen, Manning. Dropped Sept. 1 to Dec. 31, 1955 (7 shown)—1, Blair Baughman, Denison; 2, Jim Fitzgerald, Melbourne; 3, Kathy Beale, Buckingham. **Champion**—Gary Minish, Dysart; reserve, Dorothy Fae Siehl. County groups (4 shown)—1 and 2, Marion; 3, Marshall.

Shorthorns: Dropped Jan. 1 to April 30, 1955 (15 shown)—1, Roger Applegate, Oakland; 2, Craig Davis, Oakland; 3, Carroll Doak, Grundy Center. Dropped May 1 to August 31, 1955 (19 shown)—1, 2 and 3, Roberta Rees, Pleasantville. Dropped Sept. 1 to Dec. 31, 1955 (5 shown)—1 and 2, Julienne Obrecht, Harlan; 3, Donna Horr, Stanwood. **Champion**—Roger Applegate, Oakland; reserve, Roberts Rees, Pleasantville. County groups (2 shown)—1, Marion; 2, Shelby.

Angus: Dropped Jan. 1 to April 30, 1955 (36 shown)—1, Eldridge Drury, Galva; 2, Robert Williams, Jefferson; 3, Doran Bollman, Pulaski. Dropped May 1 to August 31, 1955 (43 shown)—1, John Lindgren, Churdan; 2, Rita Redfern, Yarmouth; 3, Dewayne Graham, Gilman. Dropped Sept. 1 to Dec. 31, 1955 (9 shown)—1, Roy Maass, Remsen; 2, Carl West, Des Moines; 3, Eldridge Drury, Galva. **Champion**—Eldridge Drury, Galva; reserve, Robert Williams. County groups (5 shown)—1, Greene; 2, Johnson; 3, Marion.

4-H Baby Beeves

Judges: A. J. Dyer, Columbia, Mo. (Herefords); Wm. McCone, College Station, So. Dak. (Shorthorns); Herman R. Purdy, University Park, Penn. (Angus); P. S. Shearer, Ames, and C. M. Bentzinger, Ottumwa (mixed county groups and champions).

Produce of former 4-H beef heifers: Herefords (16 shown)—1, Arnold Sheriff, Orient; 2, Alan Duea, Thornton; 3, Harold Bohr, Wellman. Shorthorns (12 shown)—1, Julienne Obrecht; 2, Carroll Doak, Grundy Center; 3, Kenny Cowman, Prairie City. Angus (18 shown)—1, Donald Breniman, Brooklyn; 2, Clem Ledoux, Alta; 3, Mary Ellen Robert, Tiffin.

Herefords: 1,040-1,240 pounds (39 shown)—1, Larry White, Mt. Pleasant; 2, Leland Bos, Prairie City; 3, Harold McIlrath, Laurel. 982-1,038 pounds (41 shown)—1, Alan Duea, Thornton; 2, Darwin Oehlerich, Keystone; 3, Gary Minish, Dysart. 936-980 pounds (39 shown)—1, Arnold Sheriff, Orient; 2, Jack Simonsen, Hudson; 3, Kay Ann Esbeck. 883-934 pounds (40 shown)—1, Larry Lein, Kelley; 2, James Smith, Seymour; 3, Nancy Brunsman, Earlham. 711-879 pounds (39 shown)—1, Sharon Smith, Earlham; 2, Roy Maass, Remsen; 3, Alan Duea, Thornton. **Champion Hereford**—Larry Lein, Kelley; reserve, James Smith, Seymour.

Shorthorns: 1,030-1,180 pounds (26 shown)—1, Charles Simons, Marcus; 2, Erwin Johnson, Charles City; 3, Donald Mitchell, Charles City. 955-1,030 pounds (28 shown)—1, Betty Trenary, Pocahontas; 2, Ronald Goecke, State Center; 3, Jim Stephens, Hepburn. 900-954 pounds (25 shown)—1, Roberta Rees, Pleasantville; 2, Adrian J. Meierotto, West Point; 3, Jim Stephens, Hepburn. 691-894 pounds (28 shown)—1, Warren Albers, Spirit Lake; 2, Sherman Berg, Osage; 3, Gary Mohl, Lost Nation. **Champion Shorthorn**—Betty Trenary, Pocahontas; reserve, Roberta Rees, Pleasantville.

Angus: 1,012-1,298 pounds (53 shown)—1, Larry Zink, Beaman; 2, Jack Simonsen, Hudson; 3, Jim White, Sigourney. 961-1,006 pounds (53 shown)—1, Dale Bucks, Davenport; 2, Judy Hodgson, Pleasantville; 3, Judy Moore, Earlham. 914-956 pounds (53 shown)—1, Janice Hullinger, Manly; 2, Darls Emerson, Knoxville; 3, Lowell Bush, Dallas. 865-910 pounds (53 shown)—1, Dennis Freed, Paullina; 2, Earl Nau, Mt. Pleasant; 3, Rodney Brannen, Muscatine. 712-864 pounds (53 shown)—1, Duane Graham, Gilman; 2, Gary Outtrim, Jefferson; 3, Jim Campbell, Gilmore City. **Champion Angus**—Dale Bucks, Davenport; reserve, Dennis Freed, Paullina.

Grand champion baby beef—Larry Lein, Kelley, on Hereford; reserve, Dale Bucks, Davenport, on Angus.

County groups: Shorthorns (5 shown)—1, Marion; 2, Floyd; 3, Keokuk. Herefords (8 shown)—1, Marion; 2, Decatur; 3, Union. Angus (18 shown)—1, Marion; 2, Henry; 3, Poweshiek. Mixed county groups (23 shown)—1, Floyd; 2, Adair; 3, Jasper.

4-H Dairy Heifers

Judges: J. W. Crowley, Madison, Wisc. (Holstein and Ayrshire); H. R. Searles, St. Paul, Minn. (Guernsey and Jersey); J. G. Cash, Urbana, Ill. (Brown Swiss and Milking Shorthorn).

Holsteins: Dropped before July 1, 1953 (9 shown)—1, James Lein, Graettinger; 2, Dale Stover, Hudson; 3, David Morrison, Indianola. Dropped July 1, 1953, to June 30, 1954 (12 shown)—1, James McDonald, Gowrie; 2, Danny Wheater, Marshalltown; 3, William C. Mawe, Jr., Manchester. Dropped July 1, 1954, to Dec. 31, 1954 (28 shown)—1 and 2, James Lein, Graettinger; 3, Collette Kikesell, Keswick. Dropped Jan. 1, 1955, to June 30, 1955 (5 shown)—1, Dale Miller, Harcourt; 2 and 3, James McDonald, Gowrie. Dropped July 1, 1955, to Oct. 30, 1955 (26 shown)—1, Lauren Milius, Denver; 2, James McDonald, Gowrie; 3, Paul Reiter, Fairbank. Dropped Nov. 1, 1955 to Feb. 29, 1956 (8 shown)—1, Kenneth Paper, Stockton; 2, Bob Scholes, Spencer; 3, Wayne L. Buhr, Readlyn. **Champion**—James Lein, Graettinger. County groups (6 shown)—1, Warren; 2, Bremer; 3, Webster.

Jerseys: Dropped July 1, 1954 to Dec. 31, 1954 (23 shown)—1, Thomas Lyon, Toledo; 2, Douglas Miller, Norway; 3, Walter Wright, Mt. Pleasant. Dropped July 1, 1955, to Feb. 29, 1956 (16 shown)—1, Thomas Lyon, Toledo; 2 and 3, Larry Strottman, Readlyn. **Champion**—Thomas Lyon, Toledo. County groups (5 shown)—1, Tama; 2, Iowa; 3, Marion.

Guernseys: Dropped before July 1, 1953 (11 shown)—1, Mary Harper, Muscatine; 2, Gary Hoth, Monona; 3, Raymond Stuart, Elkhart. Dropped July 1, 1953 to June 30 1954 (8 shown)—1, Rich Crozier, Knoxville; 2, Chester Onstot, Indianola; 3, Marvin Mahr, Jr., Indianola. Dropped July 1, 1954, to June 30, 1955 (18 shown)—1, Chester Onstot, Indianola; 2, Roylene Hoth, Monona; 3, Larry Mahr, Indianola. Dropped July 1, 1955 to Oct. 30, 1955 (22 shown)—1, Maurice Moeckly, Polk City; 2, Marvin Mahr, Jr., Indianola; 3, Gary Hoth, Monona. Dropped Nov. 1, 1955 to Feb. 29, 1956 (9 shown)—1, Nile Keesey, Redfield; 2, Merlin Orth, Waverly; 3, Larry Mahr, Indianola. **Champion**—Chester Onstot, County groups (5 shown)—1, Warren; 2, Clayton; 3, Marion.

Ayrshires: Dropped before July 1, 1953 (6 shown)—1, Larry Sears, Grinnell; 2 and 3, Larry McHone, Stockton. Dropped July 1, 1953 to June 30, 1954 (7 shown)—1, Donald Mackey, Olin; 2, Glenda Sears, Grinnell; 3, Larry VanderWerff, Reasnor. Dropped July 1, 1954 to Dec. 31, 1954 (12 shown)—1, Donald Mackey, Olin; 2, Larry Sears, Grinnell; 3, Roger Burlingame, Grinnell. Dropped Jan. 1, 1955, to June 30, 1955 (3 shown)—1 and 2, Leland Crees, Weldon. Dropped July 1, 1955, to Feb. 29, 1956 (14 shown)—1, Glenda Sears, Grinnell; 2, Edwin Schiele, Stockton; 3, Donald Mackey, Olin. **Champion**—Donald Mackey, Olin. County Groups (3 shown)—1, Poweshiek; 2, Scott; 3, Marion.

Brown Swiss: Dropped before July 1, 1953 (6 shown)—1, Lanny Wilcox, Guernsey; 2, Karen Bright, Eldora; 3, Stanley Orskog, Callender. Dropped July 1, 1953 to June 30, 1954 (8 shown)—1, Karen Bright, Eldora; 2, Ronald Paaska, Davenport; 3, Cynthia Wilcox, Guernsey. Dropped July 1, 1954 to Dec. 31, 1954 (18 shown)—1, Barbara Schulte, Norway; 2, Richard Heimstra, Prairie City; 3, Karen Bright, Eldora. Dropped July 1, 1955 to Feb. 29, 1956 (18 shown)—1, Stanley Orskog, Callender; 2, Robert Wessel, Colesburg; 3, Donald Dadisman, Manly. **Champion**—Barbara Schulte, Norway. County groups (3 shown)—1, Webster; 2, Delaware; 3, Marion.

Milking Shorthorn: Dropped before July 1, 1953 (1 shown)—1, Berle Lee, Woodbine. Dropped July 1, 1953 to June 30, 1954 (3 shown)—1, Sue Shaver, St. Anthony; 2, Jean McKee, Carlisle; 3, Lee Berle, Woodbine. Dropped July 1, 1955 to Feb. 29, 1956, (15 shown)—1 and 2, Jean McKee, Carlisle; 2, Sue Shaver, St. Anthony, Carlisle; 3, Mary Haak, Melbourne. Dropped July 1, 1955 to Feb. 29, 1956 Carlisle; 2, Sue Shaver, St. Anthony, (15 shown)—1 and 3, Jean McKee, **Champion**—Sue Shaver, St. Anthony. County groups (2 shown)—1, Warren; 2, Marshall.

FFA Breeding Pigs

Judges: Ed Helgens, Monticello, and Leon Frantz, Grand Junction.

Poland China: Boars (8 shown)—1, Arvid Baughman, Sac City; 2, Wayne Wetzel, Vinton; 3, Harold H. Hodson, West Des Moines. Sows (18 shown)—1, Harold H. Hodson, West Des Moines; 2, Jimmie Barglof, Spencer; 3, Harold Wenger, Vinton. Litters (7 shown)—1, Harold Hodson, West Des Moines; 2, Bob Humphrey, Osage; 3, Jimmie Barglof, Spencer.

Duroc: Boars (21 shown)—1, Darrell Clark, Grand Junction; 2, Robert Ekstrom, Eagle Grove; 3, Bert Brock, Sioux Center. Sows (36 shown)—1, Robert Ekstrom, Eagle Grove; 2, Arthur Wall, Alden; 3, Harold Stotts, Boone. Litters (15 shown)—1, Teddy Dixon, Bloomfield; 2, Frank Basfian, Humboldt; 3, Arthur Wall, Alden.

Chester Whites: Boars (4 shown)—1, Ivan Proctor, Bloomfield; 2, Larry Haines, Bondurant; 3, Roger Claypool, Chapin. Sows (12 shown)—1, Dennis O'Donnell, Humboldt; 2, Donald Kramer, Waukee; 3, Russell Werning, Vinton. Litters (4 shown)—1, Ivan Proctor, Bloomfield; 2, Roger Claypool, Chapin; 3, Dennis O'Donnell, Humboldt.

Spotted Poland China: Boars (5 shown)—1, Wendell Deppe, Gilmore City; 2, Wayne Chamberlain, Dickens; 3, Norman Weuve, Colo. Sows (9 shown)—1 and 3, Wendell Deppe, Gilmore City; 2, Jim McHuge, Boone. Litters (3 shown)—1, Wendell Deppe, Gilmore City; 2, Jim McHuge, Boone; 3, Norman Weuve, Colo.

Hampshires: Boars (20 shown)—1, Ray Tokle, Grinnell; 2, Ron Nelson, Hardy; 3, Gerry Cassabaum, Columbus Junction. Sows (35 shown)—1 and 2, Ron Nelson, Hardy; 3, Duane Tjabring, Parkersburg. Litters (13 shown)—1,

(Continued on page 100)

New steel cob cutter *with 32 Alloy-steel knives* and other improvements. Adds new, faster cutting action to feed preparation. With 3-4 plow tractor, **grinds over 50 bushels of ear corn or 40 bushels of oats in 10 minutes.**

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State Fair Results

(Continued from page 99)

Ron Nelson, Hardy; 2, Duane Tjabring, Parkersburg; 3, C. J. Wiuff, Humboldt.

Berkshires: Boars (5 shown)—1, Bob Reeves, Graettinger; 2, Kenneth Johnson, St. Ansgar; 3, Gary Banks, Seymour. Sows (12 shown)—1, Bob Reeves, Graettinger; 2 & 3, Dale Norem, Eagle Grove. Litters (4 shown)—1, Bob Reeves, Graettinger; 2, Larry & Gary Erickson, Stanhope; 3, LeRoy Kinart, Monroe.

Tamworths: Boars (8 shown)—1, Wayne R. Schneider, Muscatine; 2, Eldon Prybil, Iowa City; 3, Ronnie Robinson, Brighton. Sows (14 shown)—1, Loren Cossel, Bloomfield; 2 & 3, Wayne R. Schneider, Muscatine. Litters (8 shown)—1, Wayne R. Schneider, Muscatine; 2, Loren Cossel, Bloomfield; 3, Eldon Prybil, Iowa City.

Yorkshires: Boars (17 shown)—1, Mike Henderson, Coin; 2, Joel Ives, Rolfe; 3, Curtiss Adair, Reinbeck. Sows (32 shown)—1 & 2, Mike Henderson, Coin; 3, Curtiss Adair, Reinbeck. Litters (15 shown)—1, Mike Henderson, Coin; 2, Joel Ives, Rolfe; 3, Curtiss Adair, Reinbeck.

School or chapter group (13 shown)—1, Humboldt Chapter; 2, Vinton Chapter; 3, Greenville-Rossie Cons.

FFA Market Pigs

Judges: Lou Thompson, Waterloo; Leonard Duman, Davenport; Bernard Ebbing, Waterloo; Robert Gadd, Ft. Dodge; Carroll Plager, Austin, Minn.

Poland China: Market pigs: Blue ribbons—Bob Brisbin, Eagle Grove (2); Harvey Hansen, Eagle Grove; Jerry Johnson, Eagle Grove (2); Dave Mishler, Eagle Grove; Lee Schulze, Vinton (2); Leonard Watts, Clarion; Leland Watts, Clarion; Leroy Watts, Clarion (2). **Champion** — Leonard Watts; reserve, Leroy Watts. Pens (8 shown)—1, Leroy Watts; 2, Lee Schulze; 3, Bob Brisbin.

Duroc: Market pigs: Blue ribbons—LaVerne Anderson, Lyle, Minn. (2); Robert Ekstrom, Eagle Grove (2); Duane Hanson, Northwood; Don Jeanblanc, Eagle Grove (2); Bob Lunt, Grand Junction (2); Merle Pieper, Iowa Falls. **Champion**—Robert Ekstrom; reserve, La Verne Anderson. Pens (11 shown)—1, Robert Ekstrom; 2, Bob Lunt; 3, La Verne Anderson.

Chester Whites: Market pigs: Blue ribbons—Kenneth Hamer, Eagle Grove; Kenneth Hamer, Eagle Grove; Donald Kramer, Humboldt; Eugene Stockdale, Eagle Grove; Russell Werning, Vinton. **Champion**—Kenneth Hamer; reserve, Eugene Stockdale. Pens (11 shown)—1, Kenneth Hamer; 2, Eugene Stockdale; 3, Chuck Cox.

Spotted Poland China: Market Pigs: Blue ribbons—William Kray, Vinton (2); Don Schaumberg, Eagle Grove; Ron Spangler, Eagle Grove (2); John Stiegelmeyer, Vinton (2); Norman Weuve, Colo. **Champion**—William Kray; reserve, William Kray. Pens (5 shown)—1, William Kray; 2, Ron Spangler; 3, John Stiegelmeyer.

Hampshires: Market Pigs: Blue ribbons—Chuck Cox, Grand Junction; Kent Grover, Eagle Grove; James Hanson, Vinton (2); Gerald Kennedy, Humboldt (2); John Kueny, Vinton; Thixton Miller; Richard Moench, Humboldt (2); Roger Morgan, Eagle Grove (2); Jerry Rhodes, Spencer; Duane Tjabring, Parkersburg (2); C. J. Wiuff, Humboldt (2). **Champion**—Gerald Kennedy; reserve, Kent Grover. Pen (13 shown)—1, Gerald Kennedy; 2, Duane Tjabring; 3, Roger Morgan.

Berkshires: Market pigs: Blue ribbons—Robert Abrams, Northwood; Kenneth Johnson, St. Ansgar (2); John Kueny, Vinton (2); Ray Larson, Northwood; Roy Larson, Northwood (2); Dale Norem, Eagle Grove (2). **Champion**—John Kueny; reserve, Kenneth Johnson. Pens (7 shown)—1, John Kueny; 2, Dale Norem; 3, Kenneth Johnson.

Tamworths: Market pigs: Blue ribbons—Frank Bastian, Humboldt; Dewayne Sunderman, Griswold (2). **Champion**—Frank Bastian; reserve, Dewayne Sunderman. Pens—1, Dewayne Sunderman; 2, Frank Bastian.

Yorkshires: Market pigs: Blue ribbon—Erben Eisner, Ames (2); Gary Fisher, Eagle Grove; Kent Grover, Eagle Grove (2); Mike Henderson, Coin; Roger Inman, Vinton (2); Gary Fisher, Eagle Grove; Gerald Kennedy, Humboldt (2); Jim Lein, Graettinger; Roger Lenning, Hardy (2); Dave Mishler, Eagle Grove (2); Richard Moench, Humboldt (2); Dean Nervig, Hardy; Bruce Thebiay, Eagle Grove (2). **Champion**—Roger Lenning; reserve, Mike Henderson. Pens (18 shown)—1, Roger Lenning; 2, Kent Grover; 3, Gary Fisher.

Other breeds or crossbreds: Market pigs: Blue ribbon—Russell Booth, Waukee (2); Richard Fiddelke, Spencer; Dean Johnson, Greenville; David McCoy, Columbus Junction; Gary Oswald, Story City (2); Roger Saukup, Woodbine; Larry Schmid, Spencer (2); LeRoy Wessling, Grand Junction. **Champion**—Dean Johnson; reserve, Richard Fiddelke. Pens (10 shown)—1, Larry Schmid; 2, Richard Fiddelke; 3, Dean Johnson.

Grand champion market pig—Robert Ekstrom (Duroc); reserve, Gerald Kennedy (Hampshire). Champion market pen—Roger Lenning (Yorkshire); reserve, Gerald Kennedy (Hampshire).

School or chapter groups: Market pigs (10 shown)—1 & 2, Eagle Grove; 3, Vinton.

4-H Market Lambs

Judges: W. F. LaGrange, Ames, and L. M. Kyner, Waterloo.

Lightweight lambs (42 shown): Blue ribbons—Barbara Copp, Adel; Lonnie Elliott, Cambridge; Daryl Engstrom, Stratford (2); Richard Fishwild, Wyoming (2); Robert Fritz, Wesley; Harold Graham, Gilman; Paul Harrington, Harvey (2); Jim Hermann, Waukee; Gene Hunt, Redfield; John Livingston, Monroe (2); Mary Livingston, Monroe (2); Adrian J. Meierotto, West Point (2); Don Miller, Dysart (2); Glen Nelson, Brayton (2); Bob O'Donnell, Colo (2); Lee Donald Olson, Radcliffe; Sharon Olson, Radcliffe (2); Tommy Payne, Earlham (2); Truman Payne, Earlham; Glenn Peterson, Chariton; Steve Reinert, Delta (2); Patricia Rotter, West Point (2); Jim Schmuecker, Marengo (2); Marvin Secrest, Lorimor; Gordon Smith, Collins; Walters Brothers, Watkins (2).

Heavyweight lambs (42 shown): Blue ribbons—Barbara Copp, Adel (2); Robert Fritz, Wesley (2); Paul Harrington, Harvey (2); Robert Houghtaling, Cedar (2); John Jager, Eddyville; John Livingston, Monroe (2); Mary Livingston, Monroe (3); Roger Nichols, Ankeny (2); Earl & Elsie Nielson, Redfield (2); Lee Donald Olson, Radcliffe (2); Sharon Olson, Radcliffe; Ken Paulson, Center Junction (2); Glenn Peterson, Chariton; Larry Peterson, Chariton (2); Lowell Pettit, Creston (2); Don Robinson, Monroe (2); Marvin Secrest, Lorimor; Gordon Smith, Collins (2); John Straight, Bedford (2); Dyann Ver Dught, Monroe (2); Walters Brothers, Watkins (2); James Sharp, Arion (2).

Champion 4-H market lamb—Earl & Elsie Nielson, Redfield; reserve, Lee Olson, Radcliffe.

Pen of three lambs (14 shown)—1, Lee Donald Olson, Radcliffe; 2, Paul Harrington, Harvey; 3, Richard Smith, New Sharon.

County groups (2 shown)—1 Madison; 2, Mahaska.

FFA Market Lambs

Judges: W. F. LaGrange, Ames, and L. M. Kyner, Waterloo.

Lightweight lambs (47 shown): Blue ribbons—Kenneth Blackledge, Monroe (2); Lee Brummel, Oskaloosa (2); Ivan Collins, Jesup (2); Larry De Hort, Keosauqua; Howard Gilman, Stuart (2); Larry Harper, Bloomfield (2); Calvin Huff, Koesauqua; Garland Eugene Kellogg, Colo (2); John LeGrand, Monroe (2); Michael Mann, Muscatine (2); Hubert Pierschbacher, Lacona (2); Don Radkie, Van Meter; Ronald Smith, Earlham; Bob Todd, Chariton; Jerry Wasson, Booneville.

Medium weight lambs (47 shown): Blue ribbons—Darryl Benna, Albert City (2); Kenneth Blackledge, Monroe; Don Bunting, Jesup (2); Ivan Collins, Jesup; Larry De Hort, Keosauqua (2); R. L. Felkner, Centerville; Howard Gilman, Stuart (2); Calvin Huff, Keosauqua (2); Garland Eugene Kellogg, Colo (2); John LeGrand, Monroe (2); Cleo McGlynn, Boone; Michael Mann, Muscatine; Don Mullins, Monroe (2); Nyle Scaline, Stratford; Jerry Wasson, Booneville; Jack Welch, Chariton.

Heavy weight lambs (44 shown): Blue ribbons—Larry Arends, Stanhope (2); Larry Bartholomew, Keosauqua; Kenneth Blackledge, Monroe; John Bonefas, Jesup (2); Ronald Branderhorst, Monroe; Don Bunting, Jesup; Ronald Covey, Russell; Larry De Hort, Keosauqua (2); R. L. Felkner, Centerville (2); Larry Harper, Bloomfield (2); Calvin Huff, Keosauqua (2); Dale Irving, Chariton (2); Dennis Jungman, Van Meter; Garland Kellogg, Colo; John LeGrand, Monroe (2); Gaylord Livesay, Keosauqua; Don Mullins, Monroe (2); Glen Walker, Keosauqua; Jerry Wasson, Booneville; Jack Welch, Chariton; Marlin White, Chariton (2); Merrian Westman, Russell (2); Donald Young, Charles City (2).

Champion market lamb—Garland Eugene Kellogg, Colo; reserve, Lee Brummell, Oskaloosa.

Pen of three, lightweight (20 shown)—1, Garland Eugene Kellogg, Colo; 2, Lee Brummel, Oskaloosa; 3, Howard Gilman, Stuart.

Pen of three, medium weight (18 shown)—1, Garland Eugene Kellogg, Colo; 2, Calvin Huff, Keosauqua; 3, Howard Gilman, Stuart.

Pen of three, heavy weight (24 shown)—1, Ivan Collins, Jesup; 2, Jerry Wasson, Booneville; 3, R. L. Felkner, Centerville.

Champion market pen—Garland Eugene Kellogg, Colo; reserve, Lee Brummel, Oskaloosa.

School or chapter group (7 shown)—1, Keosauqua; 2, Monroe; 3, Jesup.

4-H Breeding Sheep

Judge: W. F. LaGrange, Ames, Iowa.

Shropshires: Rams (5 shown)—1 and 3, Patricia Rotter, West Point; 2, Adrian J. Meierotto,, West Point. Ewes (4 shown)—1 and 2, Patricia Rotter, West Point; 3, Adrian J. Meierotto, West Point.

Hampshires: **Rams** (13 shown)—1, Lee Donald Olson, Radcliffe; 2, Nile Smith, Eagle Grove; 3, Roger Nichols, Ankeny. Ewes (15 shown)—1, Nile Smith, Eagle Grove; 2, Roger Nichols, Ankeny; 3, Lee Donald Olson, Radcliffe.

Corriedales: **Rams** (7 shown)—1 and 2, Beverly Ann Livengood, Braddyville; 2, Gayle Kaalberg, West Liberty. Ewes (7 shown) 1 and 2, Beverly Ann Livengood, Braddyville; 3, Harold Graham, Gilman.

Suffolks: **Rams** (4 shown)—1, Jim Sharp, Newton; 2, Ted Dykstra, Knoxville; 3, Gaye Colglazier, Latimer. Ewes (9 shown)—1 and 2, Bill Lynn, West Des Moines; 3, Jim Sharp, Newton.

Other Breeds: Rams (10 shown): Blue ribbons—Dale Bauman, Allison; Robert Fritz, Wesley; Glen Nelson, Brayton (2); Sharon Olson, Radcliffe. Ewes (8 shown): Blue ribbons—Dale Bauman, Allison (2); Duane Bauman, Allison; Robert Fritz, Wesley; Glen Nelson, Brayton.

FFA Breeding Sheep

Judge: W. F. LaGrange, Ames, Iowa.

Shropshires: Rams (3 shown)—1, Michael Mann, Muscatine; 2, Garry Empey, Corydon; 3, R. L. Felkner, Centerville. Ewes (8 shown)—1, Garry Empey, Corydon; 2, Tom Hoopes, Muscatine; 3, R. L. Felkner. Pen of two lambs (6 shown)—1, Michael Mann, Muscatine; 2, Tom Hoopes, Muscatine; 3, R. L. Felkner, Centerville.

Hampshires: Rams (18 shown)— 1, Don Bunting, Jesup; 2, Howard Gilman, Stuart; 3, Ivan Collins, Jesup. Ewes (15 shown)—1, Ivan Collins, Jesup; 2, Ronald Pauley, Vinton; 3, Howard Gilman, Stuart. Pen of two lambs (15 shown)—1, Ivan Collins, Jesup; 2, Gaylen Hoaberlin, Prairie City; 3, Howard Gilman, Stuart.

Suffolks: Rams (12 shown)—1, Joe Warrick, Oskaloosa; 2, Jerry Wasson, Booneville; 3, Joe Warrick, Oskaloosa.

(Continued on page 101)

GRAMPS AND HARLEY—You'll never understand artists, Sam

Iowa State Fair Awards

(Continued from page 100)

Ewes (13 shown)—1 and 2, Joe Warrick, Oskaloosa; 3, Zane Grabau, Marion. Pen of two lambs (10 shown)—1 and 2, Joe Warrick; 3, Zane Grabau, Marion.

Corriedales: Rams (8 shown)—1 and 3, Ronald Livengood, Braddyville; 2, Larry Harper, Bloomfield. Ewes (8 shown)—1 and 2, Larry Harper, Bloomfield; 3, Ronald Livengood, Braddyville. Pen of two lambs (8 shown)—land 2, Harry Harper, Bloomfield; 3, Ronald Livengood, Braddyville.

Southdowns: Rams (5 shown)—1, Larry Harper, Bloomfield; 2 and 3, Garland Kellogg, Colo. Ewes (5 shown)—1, Larry Harper, Bloomfield; 2 and 3, Garland Kellogg, Colo. Pen of two lambs (5 shown)—1, Larry Harper, Bloomfield; 2 and 3, Garland Kellogg, Colo.

Other breeds—Rams (1 shown)—1, Darryl Benna, Albert City. Ewes (1 shown)—1, Darryl Benna, Albert City. Pen of two lambs (1 shown)—1, Darryl Benna, Albert City.

School or chapter group (6 shown)—1, Bloomfield; 2, Jesup; 3, Bloomfield.

FFA Dairy Heifers

Judges: J. W. Crowley, Madison, Wisc. (Holstein and Ayrshire); H. R. Searles, St. Paul, Minn. (Guernsey and Jersey); J. G. Cash, Urbana, Ill. (Brown Swiss and Milking Shorthorn).

Holsteins: Dropped July 1, 1955 to Feb. 29, 1956 (11 shown)— 1, Larry Statler, Brighton; 2, LeRoy Meyer, Sac City; 3, Jon Jackson, Newton. Dropped July 1, 1954 to June 30, 1955 (6 shown)—1, Jon Jackson, Newton; 2 and 3, Dennis Schoby, Bode. Dropped July 1, 1953 to June 30, 1954 (1 shown)—1, Jon Jackson, Newton. **Champion**—Jon Jackson, Newton.

Jerseys: Dropped July 1, 1955 to Feb. 28, 1956 (4 shown)—1, Bernard Anderson, Jefferson; 2, Vernon Marks, Prole; 3, Monte D. Hansen, Humboldt. Dropped July 1, 1954 to June 30, 1955 (4 shown)—1, Bernard Anderson, Jefferson; 2, Dean Honnold, Monroe; 3, Vernon Marks, Prole. Dropped July 1, 1953 to June 30, 1954 (3 shown)—1, Bernard Anderson, Jefferson; 2 and 3, Vernon Marks, Prole. Dropped before July 1, 1953, (1 shown)—1, Vernon Marks, Prole. **Champion**—Vernon Marks, Prole.

Guernseys: Dropped July 1, 1955 to Feb. 28, 1956 (7 shown)—1, Harold Bosworth, Algona; 2, Carl Brown, Jr., LuVerne; 3, Lowell Stacy, Brighton. Dropped July 1, 1954, to June 30, 1955 (5 shown)—1, Doran Bolin, Drakesville; 2, Richard Beebe, Humboldt; 3, Carl Brown, Jr., LuVerne. Dropped July 1, 1953 to June 30, 1954 (2 shown)—1, Jerry D. Hanson, Humboldt; 2, Richard Beebe, Humboldt. Dropped before July 1, 1953 (1 shown)—1, Richard Beebe, Humboldt. **Champion**—Harold Bosworth, Algona.

Brown Swiss: Dropped July 1, 1955 to Feb. 28, 1956 (5 shown)—1, Glen Baughman, Bloomfield; 2, Wayne Morris, Eldora; 3, Dennis Druse, Lake City. Dropped July 1, 1954 to June 30, 1955 (4 shown)—1, Bill Baughman, Bloomfield; 2, Dennis Tietz, Griswold; 3, Dennis Kruse, Lake City. Dropped July 1, 1953 to June 30, 1954 (1 shown)—1, Fred Brandt, Postville. **Champion**—Fred Brandt, Postville.

Ayrshires: Dropped July 1, 1955 to Feb. 28, 1956 (2 shown) 1, Aaron Anliker, West Bend; 2, Richard Rambo, Keosauqua. Dropped July 1, 1954 to June 30, 1955 (1 shown)—1, Aaron Anliker, West Bend. **Champion**—Aaron Anliker, West Bend.

Milking Shorthorn: Dropped July 1, 1955 to Feb. 28, 1956 (5 shown)—1, John Fammen, Gilmore City; 2, Ralph Cox, New Providence; 3, Don Lukavsky, Washington. Dropped July 1, 1954 to June 30, 1955 (2 shown)—1 and 2, Richard Jacobs, Jesup. Dropped July 1, 1953, to June 30, 1954 (2 shown)—1, John Tammen, Gilmore City; 2, Gene F. Ernst, Humboldt. **Champion**, John Tammen, Gilmore City.

The U. S. economy will have to create two million new jobs a year for the next 20 years, the U. S. Chamber of Commerce estimates. Half the increase will result from the population growth over the last 15 years and the other half from jobs lost thru obsolescence and increasing efficiency in industry. To create that many jobs will take more than 25 billion dollars a year in fresh investment capital—new tools, buildings, equipment—or some $13,000 per worker.

Poultrymen should make certain there are no holes in the wire netting covering roosting racks which permit chickens to get through to the droppings. Heavy welded wire will outlast common hexagonal poultry netting by many years, advise Purdue University poultry specialists.

Biggest disadvantage of hauling fresh-cut forage to dairy cows is the large amount of labor involved.

Special Cattle Sale

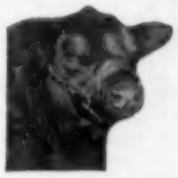
At Orient Sale Barn

Orient, Iowa

Thursday, Sept. 27th

Featuring a Complete Dispersion of Angus for

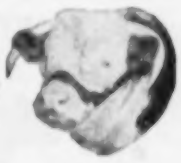
O. W. C. BROWN



His offering will include about 25 cows with calves at side, his herd bull, and some yearlings and two-year-old heifers. Part of his cattle are Registered, and all are purebred. We are also accepting consignments from other breeders and expect our total number of Angus to be 150 to 250 head.

Also included will be the complete Registered Dispersion of

HENRY WIENKOETZ, AFTON, IOWA



Mr. Wienkoetz is forced to sell due to poor health. Included in his offering will be an outstanding herd bull, MF Baca Baron 5th 7668039, a Sept. '52 son of Baca Baron 17th 6359697 from Brennans Lass 17th 3454023, bred by Meredith Farms. He will sell 7 outstanding brood cows, most of them with calves at side.

Arch Stone, Fieldman

Also plan to be with us for the following events

Sept. 19—Special Horse and Pony Sale

Orient Sale Barn, Orient, Iowa

Starting at 6:00 P.M.

Oct. 3—Nationally Advertised Shetland Pony Sale

Orient Sale Barn, Orient, Iowa

Starting at noon and selling both afternoon and evening.

EXPECTING 150 HEAD

Our weekly livestock sale every Monday throughout the year. We welcome consignments and your attendance.

ORIENT SALE COMPANY

Southwest Iowa's Leading and Largest Livestock Auction

Write or phone for further information. Please mention this publication. Address

HAROLD KILLIAN, Mgr., GREENFIELD, IOWA

Residence Ph. 201J, Greenfield — Barn Ph. 7-3121, Orient

TWO TOP FEEDER CALF SALES

Davis County

Reno Sale Barn, on Highways No. 2 and 63

BLOOMFIELD, IOWA

TUES., OCT. 2

600 CALVES 250 YEARLINGS

MOSTLY ANGUS AND HEREFORDS

A FEW GOOD SHORTHORNS

All cattle will be sorted into uniform groups as to size, sex, breed, quality and type and sold accordingly. Graded by competent cattlemen.

CATTLE FRESH FROM FARM DAY OF SALE

All cattle sold by the pound

VIC COWLES, Chairman - **BILL MARTIN, Secy.**

Pulaski, Iowa — **Bloomfield, Iowa**

Auctioneers: Reno & Son — Arch Stone, Fieldman

An ideal place to secure Native cattle at your own price. They will please. Make plans to attend.

Van Buren County

Sale barn on Highway No. 1, North edge of

KEOSAUQUA, IOWA

WED., OCT. 3

500 CALVES 150 YEARLINGS

MOSTLY ANGUS AND HEREFORDS

All cattle sorted into uniform lots as to breed, sex, quality and type and sold accordingly. Graded by competent cattlemen.

CATTLE FRESH FROM FARM DAY OF SALE

All cattle sold by the pound

W. W. SHARAD, Chairman - **LESTER GRIM, Secy.**

Burmingham, Iowa — **Keosauqua, Iowa**

Aucts.: Bill Bruty & Glen Baumgartner — Arch Stone, Fieldman

An ideal place to secure Native cattle at your own price. They will please. Make plans to attend.

Edgevale-Lewand's
ANGUS FARMS

Sale to be held at Edgevale Farm, on U.S. Hy. No. 65, 1 mile North of

CHILLICOTHE, MISSOURI
SATURDAY, OCTOBER 13

HERD PRODUCTION
and
REDUCTION SALE

71 HEAD

7 GREAT BULL PROSPECTS
64 BEAUTIFUL FEMALES

A most desirable offering, selected with care from two well-known herds, where top quality **ANGUS** cattle are produced. You will find many outstanding Herd Bulls featured in the rich pedigrees in this auction. There is type and quality that have made **ANGUS** cattle famous. Something to please everyone who will attend. Make plans now to COME! Ask for FREE catalog. Kindly mention this publication, when writing. Address either

E. H. ANDERSON, LEWIS ANDERSON, Owners
CHILLICOTHE, MISSOURI
W. M. Barton, Sale Mgr., 1159 C N Osage Drive, Tulsa, Oklahoma

Arch Stone, Fieldman

16th Annual Putnam County

Feeder Calf Sale

7800 Feeder Calves

Sold in 4 days, Oct. 8-9-10-11

1300 Hereford and Angus Yearling Steers Sold Oct. 13

Unionville, Missouri
October 8-9-10-11

5500 TOP QUALITY ANGUS CALVES
Sell October 8, 9 and 10

Your opportunity to buy more ANGUS calves in this sale than at any other place, selected from leading ANGUS herds, where top quality is produced. COME! Make admirable selections at your own price. They will please the most critical cattlemen.

2300 DESIRABLE HEREFORD CALVES
Sell Thursday, October 11

They are pleasing type, well-grown, by great sires and from reliable herds. You will find top calves in this offering. Plan to attend the 4 days of sales.

PRODUCER'S AUCTION SALES
From top ANGUS and HEREFORD Herds in This Area

For FREE information write or phone. Kindly mention this publication. To:

DON POLLOCK, Manager, UNIONVILLE, MO.

REMEMBER: 1300 Hereford and Angus, YEARLING Steers sell SATURDAY, OCTOBER 13

ANGUS PRODUCTION
and
4-H Club Calf Sale

At Robert Miller farm, 14 miles North of Decorah, Iowa, on U. S. No. 52, and 1 mile West on Minnesota and Iowa State line

MABEL, MINN., SAT., OCT. 13th

100 HEAD
35 BRED HEIFERS — 10 COWS AND CALVES
5 BULLS — GENUINE HERD BULL PROSPECTS
50 4-H CLUB CALVES — IDEAL TO START HERD

Featuring sound, well-bred, foundation cattle backed by **53** years of Progressive Breeding by the **R. M. Miller** family.

10 grand cows and calves and cows rebred. **35** beautiful bred heifers. Herd sire is a top breeding son of **BANDOLIER 170th** of **WILTON**, International Junior Champion and a choice son of **BANDOLIER 523rd** of **WILTON**, twice an Iowa State Fair grand champion. Females suitable for foundation. **5** rugged yearling bulls, genuine herd sire prospects.

50 CLUB CALVES, ideal for **4-H** and **F.F.A.** members. There are a number of **1956** Registered heifer calves — would make wonderful foundation material to start a choice herd through **4-H** Club work. Plan to attend this event. For FREE catalog, write now. Please mention this publication. Address

MAURICE BONEY, Sale Mgr., Box 740, STORM LAKE, IOWA
View Lawn Herds - HARMONY and MABEL, MINNESOTA
Auctioneer: Tom Shérlock

4000 Choice Feeder Cattle
1000 Angus Breeding Cows
Sell at Auction

On the Cheyenne Indian Reservation, at Willow Creek Stockyards, 16 Miles south of Laplant, South Dakota, on U. S. Highway 212.

LAPLANT, S. D,. SATURDAY, SEPTEMBER 29

Lunch Wagon on Grounds - Starts 12 o'clock Noon

Due to the cancellation of our leases, I am compelled to reduce my herd substantially, selling many more cattle than previous years.

HEREFORDS - ANGUS - ANGFORDS

1,000 Angus breeding cows. Big type of select breeding, mated to Registered bulls. Tested for interstate shipment. These will please you. 2,000 to 2,500 Steers—Yearlings, twos and and a few loads of three year olds. Sorted as to breed and size, Herefords, Angus, Angus-Hereford cross, weights all the way from 600 to 1100 lbs.

700 Fleshy Feeding Heifers, weights 800 lbs. 500 Yearling Heifers, weights 600 lbs. 300 Fat Cow and Heavy Heifers.

All cattle our own raising. Mostly choice Angus, with the balance Herefords, or Cross-Bred Hereford Angus (Black White Faces). Everything but breeding cows, sold by weight over government tested scales. All cattle cared for until loaded out, free of charge.

CHARLEY W. PETERSON, OWNER
Ernie Weller & Associates, Auctioneers — Phone or Write for Information
Atkinson, Nebraska Phone 5141

7th Annual Spencer Shorthorn Sale and
4-H & F.F.A. Shorthorn Steer & Heifer Calf Sale

Clay County Fair Grounds

Saturday, October 6

Sale Starts Promptly at 12:30 P. M.
Where the Very Best Breeding Cattle Sell
10 REALLY GOOD BULLS
10 VERY CHOICE COWS AND HEIFERS
Where the Very Cream and the Most 4-H and F.F.A. Calf Club Prospects Sell
100 Selected Shorthorn Calves
75 STEERS - 25 HEIFERS

A sale where the most critical and successful junior feeders buy their calves every year.

The 10 bulls and 10 females were selected for breeding and quality to make a top all around sale.

The 100 Shorthorn calves were selected from purebred herds whose calves win and make records.

The steer calves are all castrated, many dehorned and started on feed. The heifer calves are all tested for **T.B.** and **Bangs**, and recorded.

The Spencer Shorthorn Calf Sale rates at the very top of all calf sales. EVERY JUNIOR FEEDER SHOULD NOT FAIL TO ATTEND.

HERE ARE THE WELL KNOWN CONSIGNORS

C. H. & R. D. Arthur	Spirit Lake, Ia.	McCone Bros.	Manilla, Ia.
Fairview Farm	Harris, Ia.	Loren Meyer	Ellsworth, Minn.
Fennern Bros.	Garrison, Ia.	Earl Mickelson & Son	Battle Creek, Ia.
W. M. Gadsby	Dickens, Ia.	Eldon L. Miller	Linn Grove, Ia.
Ewald F. Gerke	Newell, Ia.	Duane Reimers	Paullina, Ia.
H. Russell Held	Hinton, Ia.	Wayne Schleef & Sons	Cherokee, Ia.
Ralph Hellings	Harris, Ia.	Wm. H. Schmidt & Son	Cuylor, Ia.
Arvin R. Juhl	Dolliver, Ia.	M. W. Smith	Paullina, Ia.
Dale G. Juhl	Estherville, Ia.	Irvin Solberg	Cylinder, Ia.
Kelsey & Sons	Fedora, S. Dak.		

Write immediately for FREE catalog. Mention this publication and address:

ALBERT J. HAMANN, Sale Mgr., ROCK RAPIDS, IOWA
Auctioneer: Tom Sherlock

Livestock Notes

Albert and Martin Clark, Kanawha, Iowa, brought out the champion and top selling boar at the **Iowa State Landrace Sale** at Boone, Iowa, Sept. 5. He was Corrector of Alma, a Feb. 2d son of Wolfcreek Corrector, and sold to Lloyd Klukow, Albert Lea, Minn., at $145. Averages on the sale were as follows:

20 gilts averaged $80
31 boars averaged $84
60 head averaged $82

Dennes Harvey Hagen, Forest City, Iowa, paid $140 for Mears Chieftain, a 100 per cent imported boar by Mears El Capitan consigned by Harold Mears, Jefferson, Iowa.

Top on gilts was $135 paid by Marvin Lind, Rippey, Iowa, for an open daughter of W. T. Haaken Prince consigned by Don Koch, Latimer, Iowa. She was champion of the pre-sale show. Two other gilts, both bred, brought $130 each. R. W. Ashby, Grinnell, Iowa, paid that price for F. V. Choice 1st, first prize bred gilt consigned by Orville Nessa, Story City, Iowa. Edsel Lock, Eddyville, Iowa, paid $130 for a bred gilt consigned by Harold Mears.

Col. Chas. Taylor cried the sale, which was managed by Howard Koch, the association secretary.

Dairy Cows Need Vacation

Dairy cows need vacations, too. That's the advice of G. A. Williams, Purdue University extension dairyman. However, he says, these vacations should not last too long.

A study of 269 cows tested in the Montgomery county, Ind., DHIA shows that a rest of more than eight or nine weeks per year may reduce income per cow.

There were 166 cows tested that were milked more than 300 days. Production average was 11,543 pounds of milk and the income over cost of feed was $325 per cow. The remaining 233 cows were tested in herds that averaged less than 300 days in milk. Production was only 7,320 pounds of milk and the return to herd owners was just $172 per cow for the year.

Williams believes the following suggestions will help keep the dry period from lasting too long:

Keep a breeding chart in the stable. Record the date each cow is bred. If a return occurs, indicate it on the chart. Refer to the records often.

If production of a certain cow shows a decided drop too long before she is due to freshen, lack of feed or water may be the cause.

Some cows are naturally short milkers. Regardless of how they are managed, they will not milk as long as 10 months. Such cows should be replaced as soon as more promising cows can be put in their place.

Dairymen who are successful in keeping cows that milk for about 10 months and rest two months, and with proper care are prepared to start each lactation in good condition, hold one of the keys to higher and more efficient production.

You Use More Water If It's Handy

When you can get water in your farm home at the turn of a faucet, you'll use a lot more than when you take it from a hand pump on the back porch.

This is one of the most important things to remember when you select a pump for your pressure water system, according to I. P. Blauser, Ohio State University agricultural engineer.

Many farm water systems, he notes, have too small a capacity to handle extra loads placed on them by automatic clothes washers, dish washers or livestock drinking fountains.

With your new water system, how much water will you need? Probably more than you think. You can figure on about 50 gallons daily for each member of your family. If your system is to supply water for livestock too, you'll need from 15 to 30 gallons a day for each dairy cow, 12 gallons for each beef animal, four gallons for each hog, 1½ gallons for each head of sheep and six gallons for each 100 chickens.

If your water requirements total 600 gallons, your pump should have a capacity of between 300 and 600 gallons per hour. The capacity of pumps generally is measured in gallons per hour. Blauser doubts if any water system which supplies the home and farmstead should be less than 600 gallons per hour capacity. To handle peak loads for even short periods, the capacity of the pump must equal the peak load.

There are two general types of pumps—shallow well and deep well, Blauser explains. Where the vertical distance between the pump location and the water level is not more than 22 feet, you can use a shallow well pump. Where the vertical lift is more than 22 feet, you'll need a deep well pump.

Be sure your water supply is sufficient, Blauser advises. The best pump in the world can't help you if the water isn't there.

FOREST GROVE FARM
HEREFORD DISPERSION

Hawkeye Downs All-Iowa Fair Grounds Pavilion

CEDAR RAPIDS, IOWA, SATURDAY, SEPTEMBER 29th

Starting Promptly at 12:00 Noon

213 HEAD — SELLING AS 143 LOTS

19 BULLS—4 HERD SIRES, 15 YEARLING BULLS
70 GRAND BROOD COWS WITH CALVES AT SIDE
25 of which are early spring calves
8 YOUNG BRED COWS — 12 EXCELLENT BRED HEIFERS
31 MOST ATTRACTIVE WELL-BRED OPEN HEIFERS

Note breedy head, indicative of the many good headed females selling in this Dispersion

WHR PURITAN MIX 1st, selected direct from WHR and proven clean at WHR. He sells—his progeny will please.

THE 4 HERD BULLS—BATTLE INTENSE 245th 8618370 selected from the Lester Wiese & Sons Herd; WHR PURITAN MIX 1st (illustrated here), and WHR TARGET 45th 7901268, selected direct from the famous WHR herd for use in our herd—whose sire was proven clean at WHR. FGF PIONEER LAD 15th, 1951 Iowa State Sale Champion, a son of 1947 Iowa State Sale Champion, Pioneer Lad 2nd. Four genuine tried and proved herd sires for someone. The 15 yearling bulls, all ready for service, 6 by WHR PURITAN MIX 1st, 6 by FGF PIONEER LAD 15th and 3 by WHR TARGET 45th. Also 3 attractive bull calves.

THE FEMALES—70 beautifully bred brood cows with lusty calves at side, 25 of which are early spring calves. One of the finest lot of brood cows to sell this year . . . seldom do you have an opportunity to select choice cows with calves from such a large group of top quality individuals. 8 splendid young bred cows and 12 choice bred heifers. All females bred more than 60 days will have pregnancy test before sale day. Where possible all cows will be rebred. 31 most attractive open heifers . . . ideal to mate to your own Herd Sires. All cattle presented in practical breeding condition . . . all to the advantage of the prospective buyers. Remember a DISPERSION always offers opportunities. Be on hand to secure them. Ask now for FREE illustrated catalog.

Please mention this publication. Address

MARTING SALE SERVICE, Sam B. Marting, Sale Manager, WASHINGTON COURT HOUSE, OHIO

HERBERT KILLIAN, Owner
Paul Wolf, Manager

Lunch available on ground

Auctioneers:
Jewett Fulkerson, and
Emerson Marting

A sample of 5 open heifers, just pasture condition. Typical of the desirable heifers selling in this great dispersion.

11TH ANNUAL
OLMSTED COUNTY
Quality Sale

One of the Nation's leading sales

70 REG. HOLSTEINS

Top animals selected from 27 of the finest herds in the county.

• 24 YOUNG COWS •

All with 400 and 500-lb. caliber records and all calving about sale time to outstanding sires.

• 40 BRED HEIFERS •

Outstanding 2-year olds. Everyone to calve within a month of the sale. Most of them from 400, 500 and 600-lb. dams and by top sires.

• 6 SERVICEABLE BULLS •

Blue Ribbon bulls from dams over 500 lbs. fat. An outstanding bull from the Green Bay Reformatory herd.

TOP QUALITY

Choice type and rich breeding, featuring Burke and other popular lines. Bang's and TB tested.

SATURDAY, OCT. 6
12 NOON - FAIR GROUNDS
ROCHESTER, MINNESOTA

Liberal Terms
available to all buyers regardless of location.
For FREE Catalog write
MINNESOTA SALES CO.
Box 948 Rochester, Minn.

Choice North Missouri
2000 Feeder Calves *2000*

On U. S. Highways No. 69 and No. 136

BETHANY, MISSOURI, OCTOBER 5-6

Starting promptly at 1:00 P.M.

FRIDAY, OCTOBER 5 — **1200 Herefords (Dehorned)**
SATURDAY, OCTOBER 6 — **800 Angus**

Cattle sorted into uniform lots by Extension Specialists. Calves are **FRESH** from **FARM** sale day. Sale is **FARMER** owned and operated. For FREE information, write or call, please mention this publication.

VILAS YOUNG, RIDGEWAY, MISSOURI

Lorenz's Hampshire Sale

At farm north of State line, 4 miles South and 3 miles West of

Wells, Minn., Thurs., Sept. 27th

Night sale starting 8:00 P.M.

70 HEAD — 45 TOP BOARS - 25 GOOD GILTS

Selected from one of the top herds, well-grown, with length and heavy-boned, sired by boars from **P.R.** and **CERTIFIED** blood lines. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

GEORGE LORENZ, Phone 2709, WELLS, MINNESOTA

SILVER VALE STOCK FARM

Shorthorn Production Sale

Sale at farm located 5 miles west of Ryan and 8 miles south of Masonville. Ryan is on Highway No. 13, only 30 miles north of Cedar Rapids, and Masonville is on Highway No. 20, only 40 miles east of Waterloo and 50 miles west of Dubuque.

Masonville, Iowa
Wednesday, Sept. 26

60 HEAD
Selling in 45 Lots

10 HERD BULL PROSPECTS - 15 COWS AND CALVES
4 BRED COWS - 6 BRED HEIFERS - 10 OPEN HEIFERS

Choice, well-bred Registered cattle from a long-established herd, featuring the **Get** and **Service** of our herd bull **PRINCE WILLINGDON** by MF Prince Peter 5th out of MILLHILLS JEALOUSY 4th, the cow that produced **VIKING 4th**, the 1954 International Grand Champion bull. **PRINCE WILLINGDON'S** dam Imp. **BESSIE CHARM** that made a great record in Vince Baker herd in Wisconsin. 15 grand breeding cows with calves at side, 11 are by **PRINCE WILLINGDON**, others are by **SILVER PURVIS** by Cruggleton Purvis. Four choice cows carry the service of **PRINCE WILLINGDON.** Six beautiful bred heifers and 10 attractive open heifers all by **PRINCE WILLINGDON.** The 6 heifers are mated to W. L. BANK STANDARD 23rd, purchased from W. C. Anderson & Son, West Liberty, Iowa, our Junior herd sire by N. BAR PRINCE the International grand champion. 10 big rugged bulls ready for service, ideal for herd sires. A farm where top quality herd sires have been used and mated to choice females, rich in best breeding and most popular families. Sold in practical breeding condition, all to the advantage of the prospective buyer. T.B., Bangs tested and calfhood vaccinated. Plan to attend. Ask now for FREE catalog. Kindly mention this publication.

L. & A. T. ROBINSON, MASONVILLE, IOWA

Auctioneer: J. E. Halsey — T. W. Sherlock, Fieldman

SIOUX EMPIRE

Polled Shorthorn Club, Inc.

14TH ANNUAL SHOW AND SALE

Finest Polled Shorthorns from Iowa, Minnesota, Nebraska and South Dakota

Sioux Empire Fairgrounds

SIOUX FALLS, S. DAK.

Tuesday, Sept. 25

Show 9:00 A.M. — Sale 1:00 P.M.

Judge: Walter Larson, Carrington, N. D.

45 LOTS

27 BULLS—Rugged, strong aged, richly bred. Herd bull prospects, nearly all ready for immediate heavy service.

18 FEMALES—Cows with calves, bred and open heifers. All are well bred good individuals, ideal for herd foundation stock.

Sioux Empire Polled Shorthorn Club, Inc., has been an important factor in promoting the interests of **Polled Shorthorns.** Since it's organization it has been responsible for the distribution of hundreds of **Polled Shorthorns** to breeders, farmers and ranchers in the Sioux Empire area.

In this fourteenth annual sale top breeders from four states again consign their best.

Best Place This Fall To Buy Top Polled Shorthorns

— CONSIGNORS —

MINNESOTA
Herman P. Edmundson..Woodstock
Henry O. Larson.....New Ulm
A. Lopau & Sons.....Pipestone
B. O. Rue & Sons.....Lakefield
L. E. Sasse.....Sleepy Eye
Ray C. Wagner.....Lakefield

SOUTH DAKOTA
Lewis E. Belfrage.....Colton
R. A. Syring.....Scotland
Eric H. Thormodsgaard....Hudson
Wertz Bros. ..... Bancroft

IOWA
L. C. Belson.....Decorah
Bert Brock.....Sioux Center
Brock Bros.....Sioux Center
Fred Eckley ..... Terril
H. B. Seely & Son.....Algona

NEBRASKA
Buss & Loseke.....Columbus
Rocker Bros. ..... Seward
Otto Schroeder & Son.....Seward

Write today for your FREE illustrated catalog. Mention this publication and address:

ALBERT HAMANN, Secy.-Manager, ROCK RAPIDS, IOWA

Auctioneer: J. E. Halsey — T. W. Sherlock, Fieldman

Davis County

ANGUS BREEDERS SALE

Reno's Comfortable Sale Barn

Bloomfield, Iowa, Monday, October 1

Starting at 12:00 Noon

84 LOTS

40 Cows and Calves
20 Bred Cows and Heifers
18 Attractive Open Heifers
4 Top Young Bull Prospects

STEER CALF SALE

Following Registered cattle, featuring choice 4-H steers, good prospects for 1957

One of the finest offerings ever presented by the DAVIS COUNTY ANGUS BREEDERS, selected from the leading breeders, presented in practical breeding form, ideal for those interested in better **Angus cattle.** Rich in the best blood of the breed, namely:

BANDOLIER-BARDOLIER
EILEENMERE-SUNBEAM

40 Grand cows, and big lusty calves, by great herd sires, many rebred. Some large enough to sell alone for **Club** work. **20** splendid young cows and heifers, mated to top quality herd bulls in service in the fine herds in this area. **18** most attractive open heifers, ideal age to mate to your own bulls and will make wonderful brood cows. Four good young bulls, ready for service, well-grown, rugged, thick-fleshed by top sires and the kind for a herd Bull. The offering represents the finest blood lines of the breed. Our members live in **4** of the **5** Counties declared **DROUTH DISASTER AREAS.** Due to this situation we are offering our best producers and their offspring . . . an ideal place to secure **BARGAINS.** Plan to attend. Ask for FREE catalog. Kindly mention this publication. Address

FAMILIES
Maid of Bummers
Miss Burgess
Blackcap Bessies
Bluebood Lady
Auchlin Betty
Enquiry Dell
Juanerra Erica
Key Karama
Primrose
Barbara
Edella
Elluna
Elba
Jilt
and other leading tribes.
None better

Phillip Fuller, Secretary, Milton, Iowa

J. E. Halsey, Fieldman

Broadlawn Farm

Harry L. and Estella Swanson, Owners

Quality **SHORTHORN**

PRODUCTION SALE

Truly a Production Sale with Something Extra Added

Only 40 miles East of Sioux City, at farm 1 mile South, 4 miles West on Highway 20, then 4 miles South of

HOLSTEIN, IOWA

WEDNESDAY, OCTOBER 3

Sale starting at 1:00 P. M.

47 LOTS: - 11 BULLS - 36 FEMALES

One proven tried bull. 10 quality young bulls. 20 bred cows and heifers. Many will have calves. 16 exceptionally choice, richly bred open heifers.

Here are the outstanding extra features of this sale:

BROADLAWN CAPTIVATOR—Sire, the **C.N.E.** Champion **Sandoon Captivator.** A proven 3-year old bull and without question one of the really top proven young bulls ever to be offered for sale. To see his get will convince the most critical. **10** bulls and **12** females that are outstanding by him sell.

TWO IMPORTED HEIFERS, both junior yearlings selling open. One a Princess Royal by **Cruggleton Prentice;** the other a Crocus by **Westdrums Prince Maurice.** They are top individuals and sell only as a sale attraction.

THE BALANCE OF THE OFFERING—There is one bull out of an imported sire, **15** females out of imported sires, and **2** females out of both imported sires and dams. Nearly all are grandsons and granddaughters of some of the great bulls of the breed. The dams are equally well bred. The entire offering possesses the breeding, individuality and quality on which to make herd replacements or found new herds.

The offering will also feature the get of the **C.N.E.** champion, **Sandoon Captivator,** and of Imp. **Calrossie Outlook** by the noted Calrossie Welcome. One bull and **10** really top cows and heifers by these two noted sires and out of real cows, sell in this sale.

Also featured will be the get and service of Imp. **Bapton Hercules** by Kirkton Hercules; and **Outlook Lamplighter,** one of the good young bulls of the breed by the $5,500 Imp. Calrossie Outlook.

Remember, the 1956 Champion Pen of Three Bulls at Denver were by Calrossie Outlook and Produced in This Herd.

Don't miss this opportunity to obtain some of the very best and most popular bloodlines to be found in either **Scotland** or **America** to improve your herd. Write today for your FREE illustrated catalog. Mention this publication and address:

ALBERT J. HAMANN, Sale manager, ROCK RAPIDS, IOWA

Auctioneer: J. E. Halsey — T. W. Sherlock, Fieldman

Polled Hereford Dispersal

Sale Pavilion

Lenox, Iowa, Monday, September 24

Starting at 12:30 Noon

12 BULLS - 35 FEMALES

A DISPERSION of a herd long-established, where richly-bred cattle have been produced. Two herd bulls sell, **SR LARRY LAD**, a choice 5 year old grandson of CMR Larry Domino and the dam is a granddaughter of both CMR Rollo Domino and Circle M Advance Domino. The other **HB ROLLO PRESIDENT 17th**, a grandson of CMR Rollo Domino 28th and C. Domino President 96th. A pair of truly good herd sires. **10** splendid yearling bulls ready for service.

THE FEMALES—all descendants of about **6** top individuals, many are daughters of **MONARCH DOMINO 14th**, top bull at 1953 Oskaloosa sale. **27** bred cows and heifers. Several cows with calves at side and some are rebred. The daughters of **SR LARRY LAD** and some of the cows are mated to **HB ROLLO PRESIDENT 17th.** There are 8 most attractive open heifers. This is an outstanding herd, royally-bred and displaying genuine quality. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

CHAS. HART & SON, CONWAY, IOWA

Auctioneers: Freddie Chandler and Bernard Hart — Arch Stone, Fieldman

Brammer Hereford PRODUCTION SALE!

Thurs., Oct. 4, Carlisle, Iowa

Sale at the farm, on Highways 69 and 65, 8 miles north of Indianola, Iowa, or 3 miles south of East 14th and Army Post Road, Des Moines, Iowa.

Featuring the Get and Service of

★ BHR ROYAL REGENT A1

HP Royal Regent 48th	TT Royal Regent 1st	TT Regent	Real Domino 4 Sq. / Laurel Couquette 8
		Missie Real 51st	Real Domino 4 Sq. / Princess Dom. 4 Sq.
	HP Miss Royal 4th	T. Royal Rupert 15th	Hazford Rupert 81st / Miss Double Dom. 1
		Kemma Lassie CF	Publican Lad / Emma C.F.
BHR Miss Super 22d	Super Anxiety 5th	Super Anxiety	Anxiety Jr. / Prince's Agitator 1
		Roberta Domino	Bar. Domino / Roberta Mischief
	Miss Ann	Double Domino 4th	Double Domino / Eva Domino
		Ann	Anxiety Domino 72 / Miss Ann 1st

90 HEAD - 85 LOTS

3 Bulls ready for service, including Regality WHR Triumph, and WHR Helmsman Regin. 34 Bred Cows, 5 with calves at side. 10 Open Heifers, sired by Prince Mischief 90th, MF Baca Baron 5th, Champion Mixer, and Regality Al.

3 Bred Heifers — **20 Club Prospect Steers**
13 Heifer Calves — **2 Bull Calves**

Club calves purchased in our last year's auction have done very well for their new owners. Included in the awards they have won are the following:

Champion 4-H Heifer at the Warren County Fair
Grand Champion Open Class Heifer at the Warren County Fair
Reserve Grand Champion Open Class Heifer at Warren County Fair.
Reserve Grand Champion 4-H Steer at the Jefferson County Fair
Fourth Prize Steer at the State 4-H and FFA show.

ANY 4-H OR FFA CLUB MEMBER SHOWING ANY STEER OR HEIFER PURCHASED IN THIS SALE TO THE GRAND CHAMPIONSHIP AT ANY COUNTY OR STATE FAIR WILL RECEIVE $25 — RESERVE GRAND CHAMPIONSHIP, $15.

Send today for your FREE catalog. Please mention this publication. Address

RALPH BRAMMER, CARLISLE, IOWA

Arch Stone, Fieldman

Proven Performance

TR ZATO HEIR 50th, one of the very top breeding sons of TR ZATO HEIR. 9 big, good-headed, rugged, typy sons; typy show daughters and many heifers carrying his service—sell OCTOBER 15th.

TH MISS REAL 63rd by Real Prince D. 153rd. A great producing cow with 7 straight top calves to her credit, one of which is TH ZATO HEIR 7th who sells OCTOBER 15th.

TH ZATO HEIR 7th, a son of TR ZATO HEIR 50th. Dam TH MISS REAL 63rd. Good-headed, heavy-boned, mellow, deep, yellow, thick and meaty. He sells OCTOBER 15th.

YOU CAN PLACE YOUR TRUST

In The

26 HERD BULL PROSPECTS
45 EXCELLENT BRED HEIFERS
57 BEAUTIFUL OPEN HEIFERS

Selling

OCTOBER 15th

in our

All Star SALE

TH LARRY ONWARD 91st—Another son of the famous TH MISS REAL 63rd, the top selling bull of our 1954 Sale at $10,300.

Thorp
HEREFORD FARMS
WALTON THORP
BRITTON, S. D.

Ask now for FREE beautifully illustrated catalog. Kindly mention this publication. Address:

T. W. Sherlock, Fieldman

Sons of TH LARRY ONWARD 19th — Herd bull from Andy Pierson, Dickens, Iowa. Another son of TH MISS REAL 63rd.

Coming Livestock Sales

Sept. 26—Marshfield, Mo. Cooperative Feeders.

HAMPSHIRES

POLANDS

2nd Fall Sale Southeastern Iowa

POLLED HEREFORD ASSOCIATION

Southern Iowa Fair Grounds

SHOW: 9:00 A. M. — Judge: George Edwards, Ames, Iowa

Oskaloosa, Iowa, Tuesday, October 9

Starting promptly at 12:30 P.M.

35 RUGGED BULLS - 27 DESIRABLE FEMALES

Several 4-H Club Calves offered

35 BULLS—Well-grown, most all ready for service, by great herd sires, rich in pedigree, pleasing in type and you can find a herd bull here.

27 FEMALES—Cows with calves, and rebred, bred cows and heifers and open heifers. The females are mated to Top Quality herd sires, the kind that will make foundation females. They will appeal to our best cattlemen. Consigned from 26 leading herds.

SEVERAL ATTRACTIVE 4-H CLUB CALVES OFFERED

THE CONSIGNORS:

	Bulls	Females
Buck, Walter, Maquoketa, Iowa	2	0
Clarkson, Ernest, LaPlata, Missouri	1	1
Cruzen, Calvin L., New Sharon, Iowa	0	1
Cruzen, Richard J., New Sharon, Iowa	1	0
Fenner, Charles, Lynnville, Iowa	0	3
Johnson, E. S. & Sons, What Cheer, Iowa	1	0
Johnson, Orin, Harcourt, Iowa	2	0
Johnson, Paul, Fremont, Iowa	0	2
Jordan, O. E., Deep River, Iowa	1	0
Krug, Delbert, Atkins, Iowa	2	2
Leonard, Mason, Waukee, Iowa	3	2
Miller, H. E. & Sons, Plano, Iowa	0	6
Miller, John F., New Virginia, Iowa	1	0
Rozendaal, Walter, Lynnville, Iowa	1	0
Seitsinger, M. J., Kinross, Iowa	2	4
Seitsinger, Ronald, Kinross, Iowa	1	0
Starry, Donald, Olin, Iowa	0	1
Starry, M. C., Olin, Iowa	2	1
Stewart, Geo. & Sons, Chillicothe, Iowa	3	0
Stovall, J. A., New Sharon, Iowa	2	0
Summers, Leo, Memphis, Missouri	2	2
Summers, O. D., Memphis, Missouri	3	0
Van Der Molen, Gerrit & Sons, Taintor, Ia.	1	0
Van Heukelom, Roy, New Sharon, Iowa	2	0
Westhaven Place, Denison, Iowa	1	1
Wurster, Herman & Sons, Clearfield, Iowa	1	0

An event you will want to attend. You can make admirable and profitable selections in this sale. Come early—see the show and take part in the Auction. Ask now for FREE catalog. Kindly mention this publication.

CALVIN L. CRUZEN, Sale Mgr., NEW SHARON, IA.

Auct.: Tom Sherlock — Lunch on Grounds — Arch Stone, Fieldman

NOTE: Max Arrasmith's Sale at Ames, Iowa, on October 8

ILLINOIS

Polled Shorthorn

SHOW AND SALE

State Fair Grounds

SHOW 8:30 A.M. (C.S.T.)

Springfield, Ill., Sat., Oct. 13

Sale starts promptly at 12:00 Noon

28 BULLS - 37 FEMALES

The **BULLS**, all 13 months old or over—many ready for immediate service. The **FEMALES**, 20 bred, one with calf at side—a beautiful lot of open heifers. Rich in blood that produced top winners in **LAND OF LINCOLN** Show 1956 Illinois State Fair. All females 13 months old or older. Make admirable and profitable selections from Illinois Herds for seed stock. The large number affords a wide selection. COME! Ask now for FREE illustrated catalog. Kindly mention this publication.

HAL LONGLEY, Sale Mgr., 16 S. Locust St., AURORA, ILLINOIS

LAST CALL TO HEREFORD FOLLOWERS

EVERGREEN FARMS PRODUCTION SALE

SATURDAY, SEPT. 22, LORIMOR, IOWA

Sale at 1:00 P.M., in tent at the farm, on gravel road, 2 miles SE of Lorimor

Selling 50 head, 10 service age bulls, 27 bred and open heifers, and 13 cows, mostly with calves at foot. Rich in the blood of Larry Domino 50th, Helmsman, and Royal Rupert K. breeding. Send for FREE catalog. Please mention this publication. Address

C. C. GRANDFIELD, Owners, LORIMOR, IOWA

When writing to our advertisers, please mention that you read their advertisements in Wallaces' Farmer and Iowa Homestead

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LUCKHARDT FARMS

Hereford Production Sale

Sale at 12:00 Noon, at the "south place", on Highways 46 and N — 5 miles east of Fairfax, 21 miles west of Maryville, 8 miles south and 5 east of

Tarkio, Mo., Saturday, Oct. 6

33 Bulls — **35 Heifers**

Featuring the Get and Service of

C K ZATO 24TH

Herd Bull Prospects
Top Range and Farm Bulls

6 Sons of C K Zato 24
8 Sons of Advance Rupert 12
6 sons of C. H. Prince 14
All 15 months or older—20 approximately 2 years. Ready to use. The kind you want.

Show Prospects
Herd Improvers

10 '54 heifers bred to "Zato"
11 Jan.-Feb. '55 bred to "Zato"
5 Apr.-May '55 daughters of "Zato" bred to a son of Advance Rupert 12
9 June to Oct. '55 Open heifers
One or a uniform group to start or add to your herd.

Send today for your FREE catalog. Please mention this publication. Address

LUCKHARDT FARMS, TARKIO, MO.

Auct.: Gene Watson — Registered Herefords Since 1914

MAX ARRASMITH

POLLED HEREFORD

PRODUCTION SALE

MON., OCT. 8, AMES, IA.

Sale at 1:00 P.M., at the farm, 3 miles east and 5 miles north of Ames, Iowa.

WW LARRY CARLOS
The $30,000 Bandwagon Bull

SELLING 50 LOTS

20 Cows, some with calves at side.
15 Open heifers.
9 Bred heifers.
6 Bulls.

RICH IN THE BLOOD OF SOME OF THE NATIONS TOP SIRES

Feature Attraction Will Be the Get and Service of:
AAA LARRY CARLOS

A son of WW Larry Carlos (pictured above), and from a granddaughter of CMR Rollo Domino 25th. His calves are outstanding, strong headed and typey.

The Offering Will Include Grandsons and Granddaughters of

WW LARRY CARLOS, the $30,000 bull, through his son, AAA Larry Carlos. 5 daughters, 11 granddaughters, and 7 grandsons sell.

CMR ROLLO DOMINO 12th, the National Champion, through his son, CMR Mischief Domino 31st. 7 granddaughters and 2 grandsons sell.

CMR ADVANCE DOMINO, through his son, Adv. Domino 128th. 8 granddaughters and 1 grandson sell.

Also selling 2 granddaughters of Beau Perfect 246th. Plan to attend this, our first production sale. Send now for your FREE catalog. Please mention this publication. Address

MAX ARRASMITH, AMES, IOWA

Auct.: Jewett Fulkerson — Arch Stone, Fieldman

Coming Livestock Sales

ANGUS

Sept. 17—Central States Angus sale, Marshalltown, Iowa. Clair G. Mason & Son, Mgrs., Box 243.
Sept. 27—Orient, Iowa.
Oct. 1—Davis County Angus Breeders, "Bargain Day and Club sale," Bloomfield, Iowa. Phillip Fuller, Secy., Milton, Iowa.
Oct. 9—(Night Sale) Page County Calf Sale, Shenandoah, Iowa. LeRoy S. Miller, Secy.
Oct. 13—Viewaway Herds Production and 4-H Club Calf sale, Mabel, Minn. Maurice Boney, Sale Mgr., Box 740, Storm Lake, Iowa.
Oct. 13—Edgevale Farm & Lewand Farm Production Sale, Chillicothe, Mo.
Oct. 19—Myron Woolever & Maurice Fowler, Unionville, Mo.
Oct. 20—C. H. Hauk, Cassville, Wis.
Oct. 20—Marion County Breeders Club Calf sale, Knoxville, Iowa.
Oct. 24—Grand River Angus Breeders, Princeton, Mo. Marion Summers, Secy.
Oct. 27—Missouri State Club Calf Sale, Monroe City, Mo. Earl Rogers, Sale Mgr., Kirksville, Mo.
Oct. 27—Hawkeye Angus Breeders, All Female and Calf Club sale Cedar Rapids, Iowa. Albert H. Stuart, Secy. Newhall, Iowa.
Nov. 1—Van Meter & Hocker Sale, Memphis, Mo.
Nov. 9—Jacobson and Brown Production Sale and Dispersion, Janesville, Wis.
Nov. 10—Northwest Missouri Breeders Club Calf Sale, St. Joseph, Mo. F. B. Houghton, Secy., Maryville, Mo.
Nov. 12—Interstate Angus Breeders Association, Sioux City, Iowa. Dwight Tabke, Sale Mgr., Moville, Iowa.
Nov. 19—Perry Phillips Farm Thanksgiving Production sale, Columbia, Mo.
Dec. 1—Clarence Weimerick (Dispersal) Kingsley, Iowa.
Dec. 8—Beefland Calf sale, Mechanicsville, Iowa. Waltin Olson, Jr., Secy., Calamus, Iowa.
Jan. 29-30-31—Iowa State Angus Show & Sale, Des Moines, Iowa. Clyde Hanna, Secy., Oskaloosa, Iowa.

HEREFORDS

Sept. 22—Clark Grandfield, Lorimer, Iowa.
Sept. 22—Northeast Iowa Breeders, Postville, Iowa. John M. Hoover, Secy., Elkader, Iowa.
Sept. 27—Orient, Iowa.
Sept. 29—Herbert Killian, Forest Grove Farm, (Dispersion) Cedar Rapids, Iowa.
Sept. 29—Lamport Ranch, (Calf sale) Britton, So. Dak.
Oct. 4—Ralph Bramer, Carlisle, Iowa.
Oct. 6—Lockhardt Farms, Tarkio, Mo.
Oct. 6—Circle A Hereford Farm, Morris, Ill.
Oct. 12—Gerben Hereford Farm, Oelwein, Iowa.
Oct. 15—Thorp Hereford Farms, All Star sale, Britton, So. Dak.
Oct. 19—Clarke County Hereford Breeders, Kahoka, Mo. G. R. Breidenstein, Mgr.
Oct. 23—Miller Bros. (Dispersion) Pulaski, Iowa, Sale at Bloomfield, Iowa.
Oct. 26—Wisconsin Hereford Breeders, Lancaster, Wis. Homer Graber, Mgr., Mineral Point Wis.
Oct. 30—John Dittmer & Sons, Lacona, Iowa. Sale at Knoxville, Iowa.
Oct. 31—T. M. Hayden, Creston, Iowa.
Nov. 1—Northeast Missouri Breeders, Memphis, Mo. Vernon Winkler, Sale Mgr., Greencastle, Mo.
Nov. 3—Leland Shupe, Mendon, Disselhorst Farms, Quincy, Ill. J. Dwight Ernst, Mgr., Hamilton, Ill.
Nov. 3—Orval Burchett & Sons, Hereford Ranch, Grand River, Iowa. Wayne O. Burchett, Mgr.
Nov. 6—Rayeel Hagan, Meteer, Missouri.
Nov. 8—Spring Creek Ranch, Green Castle, Mo. Vernon Winkler, Mgr.
Nov. 10—Iverlea Farms, Carroll Iverson, Colo, Iowa.
Nov. 10—Western Illinois Breeders Assn. calf sale, Macomb, Ill. Robert Allen, Secy., Warsaw, Ill.
Nov. 14—Bianchi & Sanford, Macon, Mo.
Nov. 20—Blue Grass Hereford Assn., Princton, Mo. Norma Gay Young, Secy.
Nov. 29—Winkler Bros., and Henry Lackey, Shelbina, Mo.
Jan. 21-22-23—Iowa Hereford Association, Cedar Rapids, Iowa. Jim Mulvihill, Secy. Cumming, Iowa.

POLLED HEREFORDS

Sept. 24—Chas. Hart & Son, Conway, Iowa. Sale at Lenox, Iowa.
Oct. 8—Max Arrasmith, Ames, Iowa.
Oct. 9—Southeastern Iowa Polled Hereford Association, Oskaloosa, Iowa. Calvin Cruzen, Mgr., New Sharon, Iowa.
Oct. 25—O. S. Wilson & Son, Canton, Mo. Sale at Lanesboro, Minn.
Oct. 30—John Dittmer & Sons, Lacona, Ia. Sale at Knoxville, Iowa.
Nov. 9—Hervale Farm, Wayne, Nebr.
Nov. 15—North Missouri Breeders, Chillicothe, Mo. Guy Tompkins, Secy., Lewistown, Mo.
Nov. 16—Westhaven Place, Denison, Iowa.
Nov. 24—Ted J. Griswold, Livingston, Wis. Sale at Lancaster, Wis.
Dec. 8—Illinois Polled Herefords, Princeton, Ill. Ernest Painter, Secy., LaHarpe, Ill.

SHORTHORNS

Sept. 18—P. A. Rasmussen & Sons, Goldfield, Iowa, and C. J. Schutler, Worden, Iowa.
Sept. 19—Hawkeye Downs annual Fall sale, Cedar Rapids, Iowa. Earl S. Girton, Mgr., Box 321, Marshalltown, Iowa.
Sept. 26—L. and A. T. Robinson, Masonville, Iowa.
Oct. 3—Harry Swanson, Holstein, Iowa. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
Oct. 6—Spencer Shorthorn Breeders sale & Club Calf sale, Spencer, Iowa. Albert J. Hamann Sale Mgr. Rock Rapids, Iowa.
Oct. 6—Otto Thiede & Sons, Burton, Nebr. (Calf Club sale.) At Gregory, S. D. Melvin F. Argetter, Sale Mgr., Seward, Nebr.
Oct. 13—Sumption Shorthorn Calf club sale, Sioux Falls, S. D. Willard Sumpton, Sale Mgr., Frederick, So. D.
Nov. 8—L. E. Mathers & Son, Mason City, Ill.
Nov. 10—Central States Breeders, Oskaloosa, Iowa. C. E. Stewart, Sale Mgr., Rose Hill, Iowa.
Nov. 19—Wm. I. Hartman, Barnard, Mo. Sale at Maryville, Mo.

POLLED SHORTHORNS

Sept. 25—Sioux Empire Polled Shorthorn Club, Sioux Falls, So. Dak. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
Oct. 12—Illinois Polled Shorthorn Breeders Show & Sale, Springfield, Ill., Hal Longley, Sale Mgr. 16 S. Locust St., Aurora, Ill.
Oct. 29—Missouri Breeders, Sedalia, Mo. Rollo F. Singleton, Sale Mgr., Jefferson City, Iowa.
Nov. 2—Iowa State Polled Shorthorn Club Inc. sale, Boone, Iowa. Wayne A. Carr, Secy., Cincinnati, Iowa.

DAIRY CATTLE

Sept. 21—Minnesota Milking Shorthorn Breeders, New Ulm, Minn. Clarence J. Vochl, Sale Mgr. Rt. 1, Worthington, Minn.
Sept. 22—Centralia Farms, (Registered Holstein Heifers) Nevada, Iowa. Claude E. Wylam, Sale Mgr., Waverly, Iowa.
Sept. 29—Illinois Northwest District Milking Shorthorn sale, Pecatonica, Ill. Clarence Gleasman Mgr., R. 1, Rockton, Ill.
Oct. 5—Everett Davis, Crawfordsville, Sale at Fairfield, Iowa. (Jersey Dispersal), Ivan N. Gates, Sale Mgr. West Liberty, Iowa.
Oct. 6-11th—Annual Olmsted County Holstein Sale, Rochester, Minn.
Oct. 15—Minnesota State Guernsey Sale, Farmington, Minn. L. V. Wilson, Secy., Owattona, Minn.
Oct. 16—Russell E. Lutz, Hopkinton, Iowa, and Perry DeShaw, Manchester, Iowa. (Holstein Dispersal.)
Oct. 17—C. H. Jennings, R. 4, Plain View Farm, Guernsey Dispersal, Iowa City, Iowa.
Nov. 3—Iowa Jersey Breeders State Sale, Marshalltown, Iowa, Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Nov. 17—Robert McCuen, Yale, Iowa (Holstein Dispersion). Claude E. Wylam, Sale Mgr., Waverly, Iowa.
Nov. 20—G. J. Marshall, Dubuque, Iowa. (Jersey Dispersal, Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Dec. 3—Northwest Iowa Ayrshire Sale, Spencer, Iowa, Mrs. Fred Dilscher, Secy., Alta, Iowa.

STOCKER AND FEEDER CATTLE

Sept. 17—Alton, Missouri—Cooperative Feeders.
Sept. 18—Salem, Missouri—Cooperative Feeders.
Sept. 19—Potosi, Missouri—Cooperative Feeders.
Sept. 20-21—(Calves) Potosi, Mo. Co-op. Feeders.
Sept. 22—Ste. Genevieve, Missouri—Cooperative Feeders.
Sept. 24—Popular Bluff, Mo. Co-Op. Feeders.
Sept. 24—Versailles, Mo. Co-Op. Feeders.
Sept. 25—Lebanon, Mo. Cooperative Feeders.
Sept. 25—Doniphan, Mo. Cooperative Feeders.
Sept. 26—Marshfield, Mo. Cooperative Feeders.
Sept. 26—West Plains, Mo. Co-Op. Feeders.
Sept. 27-28—Salem, Mo. Cooperative Feeders.
Sept. 27—Branson, Mo. Cooperative Feeders.
Sept. 29—Vienna, Mo. Cooperative Feeders.
Oct. 1—Ellington, Mo. Cooperative Feeders.
Oct. 1—Memphis, Mo. Cooperative Feeders.
Oct. 2—Alton, Mo. Cooperative Feeders.
Oct. 2-3—Princeton, Mo. Cooperative Feeders.
Oct. 3—Birch Tree, Mo. Cooperative Feeders.
Oct. 3—Van Buren County, Kossuqua, Iowa.
Oct. 4—Houston, Mo. Cooperative Feeders.
Oct. 4—Stanberry, Mo. Cooperative Feeders.
Oct. 5—Ava, Mo. Cooperative Feeders.
Oct. 5-6—Harrison County, Bethany, Missouri.
Oct. 5-6—Bethany, Mo. Cooperative Feeders.
Oct. 6—Gainsville, Mo. Cooperative Feeders.
Oct. 8-9-10-11—Unionville Feeder Calf Sale, Unionville, Mo.
Oct. 13—Unionville Yearling Feeder Cattle Sale, Unionville, Mo.

BERKSHIRE

Oct. 1—(Night Sale) Tom & Alex Conover, Holstein, Iowa.
Oct. 10—Minnesota State Bershire sale, Blue Earth, Minn. Leroy Larson, Mgr. Walters, Minn.
Oct. 16—(Night sale) Milo Wolrab, Mount Vernon, Iowa.

CHESTER WHITES

Oct. 9—(Night sale) Walter Schminke, Van Horne, Iowa.

DUROCS

Sept. 28—(Night Sale) Iowa Falls Duroc Breeders Assn. Wayne R. Ford, Mgr.
Oct. 2—Knotek Bros., Riverside, Iowa.
Oct. 3—(Night Sale) Klein & Neubauer, Iowa Falls, Iowa.
Oct. 3—Gregor F. Vaske & Sons, Dyersville, Iowa.
Oct. 4—Juhl Bros. Luverne, Minnesota.
Oct. 5—Bert Brock & Sons, Sioux Center, Iowa.
Oct. 16—W. H. Heimke & Sons, Renwick, Iowa.
Oct. 18—Gerald Nevins, Tipton, Iowa.
Oct. 25—Iowa Duroc Breeders Association sale, Marshalltown, Iowa. C. E. Bundy, Secy. 1319 Clark, Ames, Iowa.

HAMPSHIRES

Sept. 24—(Night sale) Iowa State Breeders, Ankeny, Iowa. Emery Riemenschneider, Secy., Pierson, Iowa.

HAMPSHIRES

Sept. 25—(Night sale) Duncan & Smylie and K. H. Robertson, Columbus Jct., Iowa.
Sept. 27—(Night sale) George Lorens, Wells, Minn.
Oct. 1—John Volk & Sons, Battle Creek, Nebr.
Oct. 3—(Night Sale) Donald Karsjens, Parkersburg, Iowa.
Oct. 5—(Night sale) Lettow Bros., Alden, Iowa.
Oct. 6—(Night sale) Treasure Acres, Blairsburg, Iowa.
Oct. 8—Allen Lang & Son, Brooklyn, Iowa.
Oct. 8—(Night sale) C. T. Keen & Son, Logan, Iowa.
Oct. 16—Fred Goodchild & Sons, Mallard, Iowa.
Oct. 17—(Night sale) Dale McGraw, Pleasantville, Iowa. Sale at Knoxville, Iowa.
Oct. 18—Harry Knabe & Son, Nehawka, Nebr.
Oct. 20—(Night sale) Cecil Wilson, Lenox, Iowa.
Oct. 22—(Night sale) Fred Michaelson, Ida Grove, Iowa.
Oct. 23—(Night sale) Howard Soorholtz & Son, Melbourne, Iowa. Sale at Marshalltown, Iowa.
Oct. 25—Emmet Conway & Sons, Dakota City, Nebr.
Oct. 25—(Night sale) Everett Maahs, Lincoln, Nebr.
Oct. 27—(Night sale) El Jon Farms, Rose Hill, Iowa.
Oct. 29—(Night Sale) Paul Carlson & Sons, Red Oak, Iowa.
Oct. 30—(Night sale) Matt Locatis & Sons, Fort Dodge, Iowa.
Oct. 31—W. B. McDonald & Son, Clemons, Iowa.
Nov. 5—(Night Sale) McGuire Hampshire Farm, Wisner, Nebr.

LANDRACE HOGS

Sept. 22—National Landrace Boar Testing sale, Nobelsville, Ind.
Oct. 2—(Night Sale) Orville M. Nessa, Story City, Iowa. Sale at Nevada, Iowa.
Oct. 10—(Night Sale) Talehurst Farms, C.M.R. 158, Peoria, Ill.

POLANDS

Sept. 20—Louis F. Ruess & Son, West Liberty, Iowa.
Sept. 27—(Night sale) Evergreen Farms, Columbus Jct., Iowa.
Sept. 29—(Night Sale) Clark J. Huber, RFD 7, Omaha 4, Nebr.
Oct. 2—(Night sale) A. P. Briggs & Son, McClelland, Iowa.

POLANDS

Oct. 3—(Night sale) Floyd Frieslow & Sons, Kanawha, Iowa.
Oct. 4—(Night Sale) Greg. Steffen, Crofton, Nebr.
Oct. 4—(Night Sale) Helgens Bros., Monticello, Iowa.
Oct. 11—(Night sale) Oscar W. Anderson & Sons, Leland, Ill.
Oct. 13—Iowa State Poland China Breeders Show & Sale, Cedar Rapids, Iowa. Fred W. Morgan, Secy. 4801 College Ave., Des Moines, 11, Iowa.
Oct. 18—(Night sale) Vernon Kvale, Beaver Creek, Minn.

SPOTTED POLANDS

Oct. 8—(Night sale) Iowa State Breeders, Boone, Iowa. Dean Eddie, Secy., Storm Lake, Iowa.
Oct. 9—(Night Sale) A. J. Anderson & Sons, Kellogg, Iowa.

TAMWORTHS

Sept. 17—J. H. Jones, Ainsworth, Iowa.
Sept. 20—Floyd Crest Farms, Walter Kruse, Owner, Sheldon, Iowa.

YORKSHIRE

Sept. 24—(Night sale) Jim Henderson, Coin, Iowa. Cerny Bros., Dorchester, Nebr., and Schmidt Bros., Madison, Nebr. Sale at Shenandoah, Iowa.
Oct. 1—(Night sale) F. L. Jackson & Sons, Lytton, Iowa.
Oct. 19—British Classic Sale, Peoria, Ill. Bob Bartholomew, Sale Mgr. CMR 158.

LIVESTOCK FIELDMEN

J. E. HALSEY, 1912 Grand Ave., Des Moines. Phone: Office CHerry 3-6181; Res. CHestwood 7-3645.
THOS. W. SHERLOCK, Box 3, Oxford, Iowa. Phone 8-4307.
ARCH STONE, 1912 Grand Ave., Des Moines. Phone: Office CHerry 3-6181; Res. CHestwood 9-6995.
We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Lamport's Annual Hereford 4-H Calf Sale

At Britton Comfortable Sale Pavilion

BRITTON, SOUTH DAKOTA

Saturday, Sept. 29

Sale Starts promptly at 1:00 P.M.

400 HEAD

Billie Garson, Pipestone, Minnesota, and his 1955 Grand Champion, Junior Livestock Show, St. Paul. Sold for record price of $3.85 per lb. Steer purchased in our 1954 sale.

200 Outstanding Steer Calves. 200 Choice Heifer Calves. Heifers Bangs Vaccinated and will make top breeding stock. Our entire calf crop sells . . . nothing reserved. Will be sold singly and in groups to please buyers. The real source of supply for **FAT STEER** champions. Many **4-H** and **F.F.A.** winners, in leading **4-H** shows and open classes, came from our past sales. Note winners (illustrated here). A mere sample of the winners. They can do likewise for you.

Purple ribbon winners at Junior Livestock Show, South St. Paul, 1954. All were purchased in our 1953 sale and represent the champions of 5 Minnesota Counties.

IVAN HARDER, Mountain Lake, Minn. Grand Champion Steer, Junior Livestock Show, 1954, and bought in our 1953 sale.

LAMPORT steers are consistent winners at Junior Livestock Shows, Grand Champion 1952, 1954, 1955 and Grand Champion South Dakota Fair 1953.

A fair sample of the wonderful brood cows in herd, with big lusty calves by our great herd bulls. Note conformation, excellent heads, level lines and character. You can find winners and what you desire in this large offering.

LAMPORT HEREFORDS—consistent winners in **4-H, F.F.A.** and open class steer shows throughout Corn-Belt and West, including Iowa, Minnesota, North Dakota, South Dakota, Missouri, National Western, Denver. They are continuing their wonderful winning at 1956 shows and calves purchased in this sale should do the same for you at 1957 shows.

THE CALVES—All raised on our Ranch and calved from April through June. Brought fresh from ranch for this sale. They will weigh from 300 to 450 lbs., averaging around 400 lbs.

STEER CALVES—They all sell in the sale . . . no tops have been taken out. The easy-feeding, modern-type, yellow and mellow.

HEIFER CALVES—The cream of our 1956 crop, ideal to establish a purebred herd or replacement heifers, wonderful for commercial men who desire to produce top quality **beef** that will meet today's demand. Selected from a wonderful COW HERD, foundation from one of the famous herds, **T-O RANCH**, Raton, New Mexico. We have used great herd bulls from the THORP HEREFORD FARMS.

QUALITY -:- TYPE -:- MERIT -:- BREEDING

Our Goal — to produce calves with merit and top quality that is eagerly sought after by the Feeders who desire the best . . . the kind that win. Follow the crowd and results of others. The sale of the year! You will want to attend. The large numbr affords a wide selection . . . buy the best . . . improve your herd.

CLARK J. LAMPORT, Phone 25, LAMPORT RANCH — BRITTON, SOUTH DAKOTA

Some of the fine brood cows with big, husky calves. The kind that make winners. You will profit from selections from this auction. Come, make admirable selections.

:-: Missouri Cooperative Feeder Cattle Sales :-:

MISSOURI COOPERATIVE

FEEDER CATTLE SALES

6900 — CATTLE AT AUCTION — 6900

SEPTEMBER 24 - 29, 1956

POPLAR BLUFF, MO.
MONDAY, SEPTEMBER 24
1200 Head
500 calves, 700 yearlings. Mostly Herefords, 150 Angus. No females over 10 months of age. Lee Hunter, Mgr., R. 5, Poplar Bluff.

DONIPHAN, MO.
TUESDAY, SEPTEMBER 25
1200 Head
700 yearlings, 500 calves. Mostly Herefords. Fred Pepmiller, Mgr., R. 3, Doniphan.

WEST PLAINS, MO.
WEDNESDAY, SEPTEMBER 26
800 Head
450 calves, 350 yearlings. 75% Herefords. Carl Fite, Manager, Lanton.

SALEM, MO.
THURSDAY, SEPTEMBER 27
1300 Calves
Herefords

FRIDAY, SEPTEMBER 28
1100 Calves
500 Angus and 600 Herefords
Calves to fit any grazing and/or feeding program.
Carl Finch, Mgr., R. 2, Salem.

VIENNA, MO.
SATURDAY, SEPTEMBER 29
1300 Head
800 calves, 500 yearlings. Herefords and Angus. The kind that will make the top grades when finished. Ted Snodgrass, Mgr., Vienna.

CATTLE SORTED INTO UNIFORM LOTS

As to Breed, Sex, Quality, Weight and Condition under Supervision of Missouri Agricultural Extension Service. Cattle sold at Auction by the Pound. Medium to Choice Quality. No Horns, No Bulls. Farmers Have Their Own Sale Facilities. Sales start 1:30 P. M.

CATTLE COME DIRECT FROM FARMS IN THE COMMUNITY

MISSOURI COOPERATIVE

FEEDER CATTLE SALES

2850 — CATTLE AT AUCTION — 2850

SEPTEMBER 24 - 27, 1956

VERSAILLES, MO.
MONDAY, SEPTEMBER 24
800 Head
500 calves, 300 yearlings. 60% Herefords, 40% Angus and Shorthorns. Wayne Miller, Mgr., Versailles, Mo.

MARSHFIELD, MO.
WEDNESDAY, SEPTEMBER 26
700 Head
500 calves, 200 yearlings. 400 Herefords, 300 Angus. Hermon Pearce, Manager, Marshfield, Mo.

LEBANON, MO.
TUESDAY, SEPTEMBER 25
750 Head
500 calves, 250 yearlings. 2/3 Herefords, 1/3 Angus. Arthur Hartzog, Secretary, Lebanon, Mo.

BRANSON, MO.
THURSDAY, SEPTEMBER 27
600 Head
400 yearlings, 200 calves. 90% Herefords. Joe Matthews, Secretary, Branson, Mo.

CATTLE SORTED INTO UNIFORM LOTS

As to Breed, Sex, Quality, Weight and Condition under Supervision of Missouri Agricultural Extension Service. Cattle sold at Auction by the Pound. Medium to Choice Quality. No Horns, No Bulls. Farmers Have Their Own Sale Facilities. Sales start 1:30 P. M.

CATTLE COME DIRECT FROM FARMS IN THE COMMUNITY

MISSOURI COOPERATIVE

FEEDER CATTLE SALES

6300 — CATTLE AT AUCTION — 6300

OCTOBER 1 - 6, 1956

ELLINGTON, MO.
MONDAY, OCTOBER 1
1300 Head
850 calves, 450 yearlings. 80% Herefords, 20% Angus. Robt. H. Shy, Secretary, Ellington, Mo.

BIRCH TREE, MO.
WEDNESDAY, OCTOBER 3
1000 Head
600 calves, 400 yearlings. 80% Herefords, 20% Angus. Roy Speaker, President, Birch Tree, Mo.

AVA, MO.
FRIDAY, OCTOBER 5
900 Head
60% calves, 40% yearlings. 75% Herefords, 25% Angus, Shorthorns and mixed. W. E. Tidwell, Chairman, Ava, Mo.

ALTON, MO.
TUESDAY, OCTOBER 2
1500 Calves
Mostly Hereford calves, a few Angus. F. O. Young, Secretary, Alton, Mo.

HOUSTON, MO.
THURSDAY, OCTOBER 4
900 Head
600 calves, 300 yearlings. 80% Herefords. Kirby Hart, Manager, Houston, Mo.

GAINESVILLE, MO.
SATURDAY, OCTOBER 6
700 Head
Calves and yearlings. Mostly Herefords. Their first sale. N. C. Davis, Manager, Tecumseh, Mo.

CATTLE SORTED INTO UNIFORM LOTS

As to Breed, Sex, Quality, Weight and Condition under Supervision of Missouri Agricultural Extension Service. Cattle sold at Auction by the Pound. Medium to Choice Quality. No Horns, No Bulls. Farmers Have Their Own Sale Facilities. Sales start 1:30 P. M.

CATTLE COME DIRECT FROM FARMS IN THE COMMUNITY

MISSOURI COOPERATIVE

FEEDER CATTLE SALES

5600 — CATTLE AT AUCTION — 5600

OCTOBER 1 - 6, 1956

MEMPHIS, MO.
MONDAY, OCTOBER 1
1200 Head
750 Angus calves, 250 Hereford calves. 100 Angus yearlings, 100 Hereford yearlings. Robt. Weaver, President, Memphis, Mo.

PRINCETON, MO.
TUESDAY, OCTOBER 2
800 Head
250 Hereford calves, 150 Hereford yearlings. 200 Angus calves, 200 Angus yearlings.

WEDNESDAY, OCTOBER 3
1000 Angus Calves
Gerald Martin, Secretary, Princeton, Mo.

STANBERRY, MO.
THURSDAY, OCTOBER 4
600 Head
Mostly calves. About half Angus, half Herefords, a few Shorthorns. John Swan, Manager, Darlington, Mo.

BETHANY, MO.
FRIDAY, OCTOBER 5
1000 Hereford Calves

SATURDAY, OCTOBER 6
1000 Angus Calves
Vilas Young, Manager
Ridgeway, Mo.

CATTLE SORTED INTO UNIFORM LOTS

As to Breed, Sex, Quality, Weight and Condition under Supervision of Missouri Agricultural Extension Service. Cattle sold at Auction by the Pound. Medium to Choice Quality. No Horns, No Bulls. Farmers Have Their Own Sale Facilities. Sales start 1:30 P. M.

CATTLE COME DIRECT FROM FARMS IN THE COMMUNITY

Production Sale

Gerken Herefords

Comfortable pavilion down town

OELWEIN, IOWA, FRIDAY, OCTOBER 12

Starting promptly at 12:00 noon

61 LOTS

8 YEARLING BULLS — 20 COWS AND CALVES — 6 BRED COWS — 15 ATTRACTIVE OPEN HEIFERS — 12 1956 CALVES — 8 BULLS — 4 HEIFERS

We are featuring the Get and Service of
BATTLE PIONEER 99th
Son of Battle Pioneer, purchased in Bones' 1954 sale.

The **8 bulls** are rugged, ready for service. **20** cows with big husky calves by the **"99th"** and most of the cows are rebred to him. The **QUICK-PROFIT** kind. **6** young cows mated to him. **15** open heifers, ideal to breed to your own great sire, will make brood cows. Twelve **1956** calves suitable for **4-H** and **F.F.A.** members. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address either,

LESLIE C. GERKEN and DON A. GERKEN, Owners, OELWEIN, IA.

Auctioneer: Tom Sherlock — J. E. Halsey, Fieldman

Centralia Farms Heifer Sale
and the
HALVOR FOSSEE DISPERSAL

4-H Pavilion on Fair Grounds

NEVADA, IOWA, SATURDAY, SEPTEMBER 22

Sale Starts 12:30 P. M.

20 OUTSTANDING 2-year-old Heifers—10 are close springers, 10 will be fresh sale day, with calves at side. **ONE** entire cow family . . . a cow over 600-lbs. fat and her daughters and granddaughters. Several young cows fresh, records 350 to 600 lbs. fat. **8 SERVICE AGE BULLS**—Dams from 500 to 800-lbs. fat. Two by 2nd high Index sire in **AMERICA** 1955. One a proven sire 4½ years old **PABST** breeding.

CENTRALIA FARMS are using **CARNATION**-bred sires, the Senior Sire is being proven with daughters over 500-lbs. fat at 2 years. His own 6 nearest dams average 1,127 lbs. fat. Most are bred to this Sire or his Sons. FREE breeding rights for cow or heifer bought from **CENTRALIA** in this sale. **CENTRALIA FARM** Herd Average 1955 **H.I.R.** on 15 cows 555 lbs. fat.

HALVOR FOSSE, owner of the FOSSE DISPERSAL, Radcliffe, Iowa. A small herd, all descendants of one cow. A clean, sound young herd of very heavy milking ability, heifers with good udders. All to freshen from August to November. Also 4-heifers 6 to 15 months old by a son of **RAVEN.** Cows and heifers by **CENTRALIA** or Dairy Genetics' sires through artificial breeding.

10% DISCOUNT to Bonafide 4-H and F.F.A. members on the purchase of one heifer calf. 12 to choose from.

Calfhood Vaccinated. Bangs and T.B. test papers available. Ask for FREE catalog, beautifully illustrated with pedigrees. Kindly mention this publication. Address

CENTRALIA FARMS, STORY CITY, IOWA

Claude E. Wylam, Sales Manager, Waverly, Iowa

HELGENS' ANNUAL

POLAND CHINA BOAR and GILT SALE

At farm 9 miles Northeast of Anamosa and 6 miles Southeast of

Monticello, Ia.

Thurs., Oct. 4

Night sale 7:00 P. M.

DIANNE, a great show sow. She has produced many outstanding pigs for us . . . a fair sample of the type we sell this fall.

40 Boars 10 Gilts

A grand offering, rugged, fast-growing, an abundance of stretch and LEAN-MEAT characteristics. The best we have ever offered, sired by:

THE INTRUDER

Top boar in the Friedow sale last fall, a son of 1954 Iowa Premier Sire.

SUPT. H.R.

The popular 1955 Spencer, Iowa, Grand Champion.

BUCK'S DESIGN

A son of Buck Boy, out of Iowa Junior Champion Sow. A few by this boar.

WE FEATURE

3 boars and 2 gilts out of **DIANNE 2nd**, that averaged **3.23 lbs.** at birth. She is the Dam of the Champion Boar and top selling gilt at 1956 SPOT LIGHT SALE. 4 boars out of a litter of 11 that averaged **2.9**-lbs. at birth, out of **MISS BLACK BANNER**, 2nd Junior yearling at 1956 Iowa State Fair.

TO FARMERS WHO DESIRE GOOD BOARS

Our aim is to produce the type that will make the most money for you. They are rugged, rapid-growing. Every one displaying 12 or more teats.

Plan to attend this sale if you are looking for a boar that will sire the most profitable kind of MEAT-TYPE hogs. COME! Ask now for FREE catalog. Kindly mention this publication. Address

HELGENS BROTHERS, MONTICELLO, IOWA

Auctioneer: Harry Duncan — T. W. Sherlock, Fieldman

21st ANNUAL CALF and FEEDER SALE

Special Two-Day Auction

FRIDAY, OCT. 5 — SATURDAY, OCT. 6

Burwell Livestock Market

BURWELL, NEBRASKA

6,500 Extra Choice W.F. Calves and Yearlings selling on FRIDAY, OCTOBER 5

3,000 Fancy Black Angus along with 1,500 Herefords selling on SATURDAY, OCTOBER 6

Many carload lots of reputation calves will be sold during both days. All native Sandhill cattle direct from many of the best ranches in this territory.

Be sure to attend this big special Auction. Now selling from 2,000 to 3,000 cattle each Friday.

Write or call for further information.

BURWELL LIVESTOCK MARKET

Your Friendly Livestock Auction

Sales Every Friday at Burwell, Nebraska

DESIRABLE HAMPSHIRES

F.F.A. Barn

IOWA FALLS, IOWA, FRIDAY, OCTOBER 5

Night Sale 7:00 P. M.

Without doubt the greatest lot of **BOARS** we have ever sold. 30 are by **WESTERN GOLD**, the 1955 All-American and 1956 Iowa **"PREMIER SIRE"**. The record at Iowa State Fair, is evidence of this great Boar. He sired the **1st** Sr., Jr. Champion and Reserve Grand Champion—litter mates sell. We offer **WESTERN SPECIAL**, the Sensational pig at Iowa and **4** litter mates. **WESTERN FLASH**, the 2nd Jr. pig and his litter mate, 7th at Iowa. All our prize-winners sell. A genuine prospect by **WESTERN MASTER**, a great pig by **UNIFIER**, and others by **HAWKEYE JET** Rich in best blood lines. Herd boars are plentiful. They are rugged, t uly MEAT-TYPE. All boars probed as to **Back-fat** and listed in catalog. You can find a herd boar here. COME! Ask now for FREE catalog. Kindly mention this publication.

LETTOW BROTHERS — ALDEN, IOWA - IOWA FALLS, IOWA

Schmiske's Annual

CHESTER WHITE SALE

At farm 7½ miles south of Vinton on No. 218

VAN HORNE, IOWA, TUESDAY, OCTOBER 9

Night Sale 7:30 P.M.

30 BOARS - 20 GILTS

A choice well-grown offering sired by the 1955 Indiana Junior Champion, **WHITE CAP GOLD KEY, SILVER LAD**, the second prize Senior Spring boar, 1955 at Iowa, and by Iowa Grand Champion; ALL STATE MODEL, '54 Minnesota State Champion, **EL-DORADO CHIEF** 3rd, grandson of '53 National Champion. We showed the 1st Junior and Reserve Junior Champion boar at 1956 Iowa State Fair, also 3rd Sr. spring boar, half brother to Reserve champion. We offer same blood lines, the genuine MEAT-TYPE boars and gilts, rugged, well grown. State Accredited Brucellosis Free Herd. Ask now for FREE catalog. Kindly mention this publication. Address

WALTER SCHMINKE, VAN HORNE, IOWA

Production Registry Facts
Certification Records
Feed Conversion Data

All this is available to the sale goers at the

Treasure Acres HAMPSHIRE SALE

SATURDAY NIGHT, OCTOBER 6th

BLAIRSBURG, IOWA

Sale at 7:30 P. M.
at the farm on Highway 20, 7 miles east of Webster City, Iowa

50 Boars - 70 HEAD - 20 Open Gilts

Featuring the Blood of

IOWA LAD

PREMIER SIRE AT THE 1956 ILLINOIS STATE FAIR, RESERVE PREMIER SIRE AT THE 1956 IOWA STATE FAIR, AND GRAND CHAMPION BOAR AT THE 1955 IOWA STATE FAIR.

1st 10 litters for CERTIFICATION averaged 29.22; average Backfat 1.4; Loin Eye 3.8; average 180 days 231 lbs. 10 pigs sold for $1.47 over top of market. Feed per 100, 3.4 per 100 lbs. of pork.

Feed conversion data and carcass cut out measurements on littermate barrows will be given on sale day. There are several out of **Certified** litters, and many of our show winners at **Illinois and Iowa** will sell. Purebred and Commercial producers alike are invited.

Send today for your FREE catalog. Please mention this publication. Address

TREASURE ACRES

PAUL L. BENSHOOF, OWNER

Bob Faint, General Manager — Herdsman

BLAIRSBURG IOWA

Auctioneers: Shaw & Goode — Arch Stone, Fieldman

LANG PRODUCTION TESTED HAMPSHIRES

Sell Monday, October 8

MODERN CITATION
Sire of three Certified litters, and sire of all of our 1956 offering. Also sire of our 1st place heavy wt. barrow at the recent Iowa State Fair.

Brooklyn, Ia.

Sale at 1:00 P.M. at Brooklyn Sale Barn

30 Boars - 30 Gilts

ENTIRE OFFERING FROM P.R. LITTERS. 19 Spring litters averaged 9.61 pigs per litter born, and 9.39 pigs per litter raised. These pigs averaged 435.48 lbs. per litter for an average of 46.37 lbs. per pig at 56 days of age.

After selecting the boars and gilts for this sale offering, the balance were sold as commercial hogs to Rath Packing Company. On a grade and yield basis, they averaged $1.70 per hundred above their top of the day.

24 Pigs slaughtered for certification averaged 196 lbs., had a length of side of 29.3 inches, and an average back fat of 1.58 inches. Their average age was 165 days.

All are by Modern Citation (pictured above). Write for FREE catalog which will carry complete records, including carcass cutout results on all litters. Please mention this publication. Address

ALLEN LANG & SON, BROOKLYN, IOWA

KNOTEK BROS. DUROC SALE

Tuesday Afternoon, October 2

RIVERSIDE, IOWA

30 BOARS - 40 GILTS

All are sired by ★PACESETTER

Third prize senior boar pig at the 1955 Indiana State Fair.
A son of MODERN STAR bred by Oral W. Long.

These pigs are all from large, uniform litters. Our boars and sows have exceptionally good udder placement. The right kind for the commercial hog man. State Bangs and leptospirosis accredited herd No. 116. Write today for your FREE catalog. Please mention this publication. Address

KNOTEK BROS., RIVERSIDE, IOWA

When writing to our advertisers, please mention that you read their advertisements in Wallaces' Farmer and Iowa Homestead

THE YORKSHIRE SALE OF "SUPER SIRES"

50 Big, Heavy Boned, Extra Long Herd Boars

BEAU IDEAL CINDY 057H, Grand Champion at the Iowa State Fair in 1955 and 1956. Shown by F. L. Jackson & Sons, Lytton, Iowa.

Featuring the get of

WORLD FAMOUS YORKSHIRES!

SPRINGFIELD CHAMPION BOY 3rd
Imported from Scotland

PLEASANTS SUPERIOR BOY 9th
Imported from Scotland

EVERY BOAR IN THIS SALE COMES FROM A TOP PRODUCING SOW!

The Greatest Set of Boars We Have Ever Presented

Correct Meat Type Quality with Real Growing Ability and Length of Body. These boars have been especially selected for this sale from the BEST PIG CROP WE HAVE PRODUCED IN 40 YEARS OF BREEDING REGISTERED HOGS! You pay for a good boar every year. Be sure you get one this fall! The meat hog business will boom in 1957.

USE A JACKSON YORKSHIRE BOAR AND BE SURE

MONDAY NIGHT, OCTOBER 1 - 7:30 P. M.

At the Farm

F. L. JACKSON & SONS, LYTTON, IOWA

Write now for FREE catalog carrying full description of this superb offering. Please mention this publication.

Lew Nichols, Sale Mgr., Webster City, Iowa

Auctioneer: Jim Morris — Arch Stone, Fieldman

IOWA SPOTTED POLAND CHINA BREEDERS SALE

FRIDAY, OCT. 5, BOONE, IOWA

Sale at the 4-H Barn

SHOW 2:00 P. M. — SALE 7:30 P. M.

25 SPRING BOARS - 20 SPRING GILTS

Consigned by top breeders of the state. Many show winners and top breeding boars have been bought and sold in this sale. This offering has been carefully selected by the breeders. Included will be a number of the prize winning pigs at the Iowa State Fair.

There will be a number of boars suitable for the commercial breeder, and these should sell at reasonable prices. Send now for your FREE catalog. Please mention this publication. Address

DEAN EDDIE, Secy., STORM LAKE, IOWA

Chas. Taylor, Auct.

PROVEN MEAT-TYPE POLAND CHINA

BOARS and GILTS
100 HEAD
40 Spring Boars
60 Spring Gilts

Sale at farm 8 miles Southwest on County Road H

WEST LIBERTY, IOWA
THURSDAY, SEPT. 20

Afternoon Sale 1:00 P.M.

A grand offering, well-grown by **GENETIC GIANT 2nd**, sire of **2nd, 3rd** and **4th** top selling boars at **IOWA BOAR TESTING STATION** sale, Ames, Iowa. He was top selling son of 1955 Iowa State Fair grand champion. He sired **FASTEST-GAINING** Barrow at Testing Station and heaviest boar. Our **4** boars were in top 22, for feed efficiency, rate of **Gain** and **Fat-Back** probe, the real **MEAT-TYPE**. Others by **LIBERATOR BOY**, littermate to '54 Illinois Jr. Champion and a few by **SILVER FLASH 3rd**, both sired rugged pigs. Littermates to our Boars that did so well at Ames and excellent half Brothers and Sisters. They are Rugged and Uniform. Plan to attend. Ask for FREE catalog. Kindly mention this publication. Address

LOUIS F. RUESS & SON, WEST LIBERTY, IOWA

Auctioneer: Harry Duncan — Free Lunch at Noon

FRIEDOW POLAND SALE

Wed. Night, Oct. 3 - Kanawha, Ia.

Sale at the farm, 5 miles north and 2 miles east of Kanawha

40 BOARS - 10 GILTS

Sired by THE CLASSIC and DARK JESTER

Featuring the sale of the 1956 Iowa State Fair Junior Champion Gilt. We have an outstanding group of well grown, long, heavy boned boars that will meet the approval of the commercial man.

Back fat probes will be available on all our offering on sale day. The present average probe is 1.08 inches. Our entries at the Boar Testing Station did exceptionally well. State Bangs accredited herd.

Write today for your FREE catalog. Please mention this publication. Address

FLOYD FRIEDOW & SONS, KANAWHA, IOWA

ANDERSON'S SPOTTED POLAND SALE

Sale at 7:00 P. M. at the farm 1½ miles Northeast of

KELLOGG, IOWA, TUESDAY NIGHT, OCTOBER 9

45 BOARS - 30 OPEN GILTS

Sired by ★RADIUM

Grand Champion and Premium Sire at the 1956 Iowa State Fair

Included in our offering will be the 4th and 6th Sr. boar pig, 6th Jr. boar pig, 4th Jr. Gilt, and 4th Sr. gilt, all at the recent Iowa State Fair. Also selling litter mates to the Grand Champion at the National Type Conference, also by Radium. Big, rugged, growthy, meat type boars for the commercial man. Send for FREE catalog. Please mention this publication. Address

A. J. ANDERSON & SONS, KELLOGG, IOWA

—When writing to our advertisers, please mention this paper—

Livestock News

Nearly 2,000 purebred breeders and commercial hog producers packed the ringside at the first **Boar Testing Station** boar sale at Nevada, Iowa, Aug. 6. Rate of gain, efficiency of gain, and backfat probe on all boars were given, as well as carcass cutouts on barrow mates. These cutout measurements included length of side, backfat thickness, loin eye area, and percentage of lean cuts. These figures were studied carefully by prospective buyers, and their bidding indicated that these figures carried much weight. Boars were sold according to their merit, and averages were as follows:

First 20 boars averaged $235
Second 20 boars averaged $165
51 head averaged $182

Prices ranged from $70 to $350. Ma-Ko-Ta Farms, Ames, Iowa, paid $350 for the top selling boar, a Landrace by New Sveen consigned by Don Koch, Latimer, Iowa. Feldman Farms, Breda, Iowa, paid $280 for a Poland China by Genetic Giant consigned by Louis Ruess & Son, West Liberty, Iowa.

Col. Clair Mason cried the sale.

BERT POWELL DIES

Bert Powell, Topeka, Kansas, 59, livestock fieldman for the Missouri Ruralist and a purebred livestock auctioneer, died as the result of a heart attack, August 27. He will be missed by the entire livestock fraternity.

JERSEY DISPERSAL

Sale will be held at Sheckler Farm

FAIRFIELD, IOWA, FRIDAY, OCT. 5
12:30 P. M.

Complete Dispersal of the herd of
Everette Davis, Crawfordsville, Ia.

4 times Gold Star Herd. 1955 Herd average **508** lbs. fat, 9123 milk per cow. **28 Head**—Ton of Gold Cows. All have **HIR** records of production. Classified. Choice Young Bulls from High Record Dams.

Also a select group of **Jerseys** from
Russell Sheckler, Fairfield, Iowa

4 times Gold Star Herd. 1955 Herd average **10329** milk, **505** lbs. fat per cow. **12** Young Cows, 1 Br. Heifer, 2 select young bulls from high record dams. Calfhood vaccinated. All **TB** and **Bang's** tested.

For FREE catalog of sale write

IVAN N. GATES, Sale Mgr.
WEST LIBERTY, IOWA

LANDRACE SALE

4-H PAVILION

NEVADA, IA., TUES., OCT. 2

Night Sale 7:30 P.M., C.S.T.

72 from 3 Herds

21 Boars - 15 Bred Gilts - 22 Open Gilts - 3 groups of 4 Small Gilts and 1 unrelated boar.

Consigned by Harold Handsaker & Sons, Nevada; John Cresby, Nevada, and Orville M. Nessa, Story City, Iowa.

Offering sired by and gilts mated to **4** great boars: **ALMAR TRUE MODEL**, son of '55 Iowa Champion the sellie; **W. T. NORSE RANE**, 50% Import., son of King Hasken, '55, Landrace boar of the year; **IOWA VIKING**, 100% Import son of W. T. Norse Viking, runner-up boar of 1955, and **IOWA CORPORAL**, one of best Iowa State College 1953 farrowing. Ask for FREE catalog. Kindly mention this Publication. Address either

Orville M. Nessa, Story City, Iowa

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Boar & Gilt Sale

Baty's Barn

7 miles North of Peoria on Rt. No. 29 at

PEORIA, ILL., WED., OCT. 10

Night sale 7:30 P.M.

65 HEAD

BOARS READY FOR SERVICE - EXCELLENT BRED GILTS - ATTRACTIVE OPEN GILTS

Genuine MEAT-TYPE, Quality LANDRACE, featuring pigs sired by and Gilts mated to—

GOVALBEYRON 22nd
Our Imported Swedish Boar

Ask now for FREE catalog. Kindly mention this publication. Address

YALEHURST FARMS
CMR 158, PEORIA, ILLINOIS

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Buy the Get of

BATTLE HAWK—CERTIFIED MEAT TYPE SIRES

At the Volk Hampshire Sale

MONDAY, OCTOBER 1, 1:00 P. M., BATTLE CREEK, NEBRASKA

Sale at the John Volk, Jr., farm on U. S. 275, 11 miles West of Norfolk or 2 miles North and 1 mile West of Battle Creek.

50 Boars - 50 Gilts

Featuring the get of BATTLE HAWK, the only Certified Meat Type Hampshire boar in Nebraska. Pigs from 17 P.R. litters, 20 by Battle Hawk are all ½ brothers to the National Type Conference Grand Champion boar. Send today for your FREE catalog. Please mention this publication. Address

JOHN VOLK & SONS, BATTLE CREEK, NEBR.

HUBER POLAND CHINA SALE

Sale at the farm, on State Highway 133, 10 miles North of Dodge Street

SATURDAY, SEPTEMBER 29, 1:00 P. M., OMAHA, NEBR.

45 BOARS - 40 GILTS

Offering mostly sired by LAND MARK 4th, Senior Champion boar at the 1956 Nebraska State Fair. Balance of offering includes pigs by EMPIRE WONDER . . . one litter by OUR CHOICE, Ill., Wisc., and Minn. Grand Ch. boar . . . one litter of 12 by INTRUDER . . . one litter by HONEYMOONER, sire of Land Mark 4th. We also exhibited the 1st prize fall boar, Jr. and Gr. Ch. boar, Raven Revere, at Nebraska. All of our winners in the pig classes at Nebr. sell. Our customers report more than satisfactory results on commercial pigs from our boars when sold on a grade and yield basis. Send today for your FREE catalog. Please mention this publication. Address

CLARK J. HUBER, Rt. 7, OMAHA 4, NEBRASKA

BRIGGS POLAND SALE

Sale at 7:30 P. M. at the farm on Highway 6, 10 miles west of

OAKLAND, IOWA, TUESDAY NIGHT, OCTOBER 2

40 BOARS - 30 GILTS

Featuring the sale of:

★ **DETERMINED CHIEF—1st Sr. Sp. boar, Junior Champion, and RESERVE GRAND CHAMPION boar at the 1956 Nebraska State Fair. 11 full or half brothers sell. A son of Determined 6th.**

Our other pigs that placed at the Nebraska State Fair, including the 2d Sr. Sp. boar, 2d and 4th Jr. Sp. boar, and 5th and 6th Sr. Sp. gilts, will sell. Pigs sired by Determined 6th, Target's Model 8th, and Flash Sensation. Plenty of new blood for old customers. Send for FREE catalog. Please mention this publication. Address

A. P. BRIGGS & SON, McCLELLAND, IOWA

VASKE'S DUROC SALE

At farm on Hy. 136 3 miles north of

DYERSVILLE, IOWA
WEDNESDAY, OCTOBER 3

50 TOP BOARS
25 CHOICE GILTS

A grand offering selected from a top herd and all sired by **JUBILEE MARK**, littermate to top Duroc boar of 1955, the Minnesota Grand Champion. Perhaps the best we ever produced, rugged, good feet and legs, heavy-bone, sound, long, well-ribbed and wonderful hams. Genuine feeding quality that will produce the fast-gaining kind. They will please Farmer and Breeder. Accredited Bangs Free herd No. 133. **Come!** Ask for FREE catalog. Kindly mention this publication. Address

GREGOR VASKE & SONS, DYERSVILLE, IOWA

94th Duroc Sale

Located just north of State line at farm 5 miles west of

LUVERNE, MINN., THURSDAY, OCT. 4

Starting at 1:00 P. M.

50 SPRING BOARS - 20 SPRING GILTS

A great offering, proper type, with size and quality, the long, smooth, **MEAT-TYPE** that are in demand. Sired by **RED CHARM**, Champion at Iowa Spring sale, **LEADER BOY**, '54 Minnesota Grand Champion and **ACES STAR**. Genuine quality. Our greatest satisfaction, the large number of customers who return year after year for our **DUROCS**. Plan to attend. Ask now for FREE catalog. Kindly mention this publication.

JUHL BROTHERS, LUVERNE, MINNESOTA

IOWA FALLS DUROC BREEDERS ASSOCIATION

Comfortable F.F.A. Barn, South River St.

Iowa Falls, Ia., Friday, Sept. 28

Night Sale 7:30 P. M.

25 EXCELLENT BOARS - 30 WONDERFUL GILTS

JUDGING CONTEST for F.F.A. and 4-H Members. 5 P. M. 1st, $25; 2nd, $15; 3rd, $10. Prize to be applied toward purchase of a Gilt. Several State F.F.A. winners.

Selected from top litters, a fine offering, sired by **LUCKY PRINCE INDEX**, the popular 5th prize Senior boar at 1955 Minnesota State Fair and **MODELER**, the 3rd prize-winning boar, 1954 Minnesota State Fair. A top litter by **CHOICE ACE** and a splendid litter by **PROWLER**. All pigs from litters of 9 or more . . . all probed at 200-lbs. and weighed at 180 days. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

WAYNE R. FORD, Advisor & Vo-Agr. Instr, IOWA FALLS, IOWA
IOWA FALLS DUROC BREEDERS ASSOCIATION

KLEIN & NEUBAUER DUROC SALE

F.F.A. Barn

IOWA FALLS, IOWA, WEDNESDAY, OCTOBER 3

Night Sale 7:00 P.M.

30 TOP BOARS - 40 CHOICE GILTS

Choice, well-grown, truly MEAT-TYPE kind, sired by **CORONATION CROWN**, the sire of our Top 1955 offering and sire of many of the Dams of the offering. Most of the offering by **MODERN DUKE**, Junior Herd sire, and winner of Reserve **"PREMIER SIRE"** at 1956 Iowa State Fair. Our herd was one of the very TOP winners at 1956 Iowa State Fair. You can find the proper kind here. Genuine MEAT-TYPE caliber. Ask for FREE catalog. Kindly mention this publication. Address either,

WILLARD KLEIN Rt. 1, Iowa Falls, Iowa — or — **KERMIT NEUBAUER** Rt. 1, Iowa Falls, Iowa

BROEK'S DUROCS

At farm 3 miles North of

SIOUX CENTER, IOWA, FRIDAY, OCTOBER 5

50 SPRING BOARS

Tops from **550** head, by **SUPERFECTION**, '55 Minn. Jr. and Grand Champion and top of Fall season; **JUBILEE DANDY**, sire of SUPERFECTION and 3 boars by **CLIPPER**, the $4,000 National Congress 1955 Champion. They are large, rugged, heavy-boned, bred for growing ability and firm solid flesh. Many from **PRODUCTION REGISTRY** litters. The genuine **MEAT-TYPE** from a healthy herd and sell at farmer prices. Plan to attend. Ask for FREE catalog. Kindly mention this publication. Address

BERT BROEK & SONS, SIOUX CENTER, IOWA

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KARSJENS HAMPSHIRE BOAR and GILT SALE

Sale at 7:30 P.M. at the farm, 1 mile north and 2 west of

PARKERSBURG, IOWA, WEDNESDAY, OCT. 3

45 BOARS - 30 GILTS

The two top ranking Hampshires in the first Boar Testing Station Sale were sons of DUKE TYPE consigned by us. One gained 2.18 lbs. per day on 278 lbs. feed per 100 lbs. gain, probed 1.20 inches back fat, and had a 28.7 inch side. The other gained 2.00 lbs. per day on 277 lbs. feed per 100 lbs. gain, probed 1.37, and had a 28.8 inch side. A litter mate barrow had 1.52 inches back fat, 3.37 sq. inch loin eye area, dressed 50.2% lean meat, and made certification standards. Littermates to these sell.

Offering sired by:

DUKE TYPE: 3rd Aged Boar at recent Iowa State Fair, and sire of the Boar Testing Station pigs above.

GILKEY UNANIMOUS 6th: 1st Jr. Spring boar at the Minnesota State Fair in 1954.

Send today for your FREE catalog. Please mention this publication.

Address
DONALD KARSJENS, PARKERSBURG, IOWA

MORE MEAT FOR MORE PROFIT
at the

IOWA STATE HAMPSHIRE SALE

MON. NIGHT., SEPT. 24

ANKENY, IOWA

SHOW 4:00 P. M. SALE 7:30 P. M.

30 SPRING BOARS - 35 OPEN GILTS

An offering of top quality, Meat Type Hampshires from many of the leading herds in the state. Prize winning hogs at the recent Iowa State Fair, including the third prize Jr. Spring Boar, will sell. Some of the top sires in this section of the country have sold in this auction.

ATTENTION COMMERCIAL PRODUCER—In the past, commercial breeders have been able to purchase good long, rugged boars in the $75 to $100 bracket, and they should be able to do so in this sale.

Send today for your FREE catalog. Please mention this publication. Address

EMERY RIEMENSCHNEIDER, Secy., PIERSON, IOWA
Auctioneer: G. H. Shaw

KEEN HAMPSHIRES

SELL MONDAY NIGHT, OCTOBER 8

VINDICATOR PRINCE 1st, Reserve All-American, son of Vindicator

Sale at 7:30 P.M., at the farm, 8 miles East of Marshalltown on Highway 30 and 64, ½ mile West of

Le Grand, Iowa

40 Boars - 30 Registered Gilts
20 Commercial Gilts selling in groups to suit purchased.

FEATURING: Identical bloodlines to the Hampshires we had at the Boar Testing Station at Iowa State College. TOP INDEXING BOAR AND TOP CUTTING BARROW OVER ALL BREEDS WERE BRED AND CONSIGNED BY US. Dr. Ed Kline, Iowa State College, said that our barrow carcass was the best ever cut at the Iowa State College meat Laboratory.

Our two pens of Hampshires were among the extreme tops in feed conversion at the Boar Testing Station. One pen had a feed conversion of 265 lbs. feed per 100 lbs. gain, and the other 268 lbs. per 100 lbs. gain.

Many of the dams are by VINDICATOR PRINCE (pictured above), and most of the offering is sired by AUTOMATION, son of a Certified Meat Type Sire, and from a Certified litter. Several in the offering are from Certified litters. Send today for your FREE catalog. Please mention this publication. Address

C. T. KEEN & SON, LE GRAND, IOWA

PUREBRED HAMPSHIRE MEAT TYPE BOAR AND GILT SALE

TUESDAY NIGHT, SEPTEMBER 25, COLUMBUS JCT., IOWA

Sale at 7:30 P.M. in the new 4-H Building at the Louisa County Fairgrounds

30 BOARS - 100 GILTS

The offering is sired by GRAND WESTERN, top selling boar in the Soorholtz & Son 1955 sale (sire of 75% of the Duncan & Smylie offering), and MR. FEEPERS, 1955 All American Senior Yearling boar. Additional litters sired by WESTERN MASTER, AUTOMATION, BIG LEAGUE, and PRINCE JUBILEE. We are selling all State Fair prize winning pigs. A Bangs free offering. Several selling are from P.R. litters. Send today for your free catalog. Please mention this publication. Address

DUNCAN & SMYLIE
Columbus Jct., Iowa

K. H. ROBERTSON
Columbus Jct., Iowa

Auctioneer: G. H. Shaw

JOINT YORKSHIRE BOAR & GILT SALE

MONDAY, SEPTEMBER 24, SHENANDOAH, IOWA

Sale at 7:30 P. M. at the Nishna Valley Sale Pavilion

25 BOARS - 25 OPEN GILTS — Combining the Tops of Three Herds

HENDERSON FARM Coin, Iowa — **CERNY BROS.,** Dorchester, Nebr. — **SCHMIDT BROS.** Madison, Nebr.

Featuring sons and daughters of OAKVALE COSMO, 1954, 1955, and 1956 Iowa State Fair Grand Champion boar, and HY SUR MASTERPIECE, Premier sire at the Illinois, Minnesota, and Iowa State Fairs in 1956. Send for FREE catalog. Please mention this publication. Address

Jim Henderson, Coin, Iowa

ANNUAL POLAND BOAR AND GILT SALE

THURSDAY, SEPT. 27 — 7:30 P. M. — COLUMBUS JUNCTION, IOWA

30 BOARS - 30 GILTS

Sired by PIERCE ARROW, a son of The Thing. A well grown, rugged lot that will please the farmers. State Bangs accredited herd. Plan to attend our sale. Write now for your FREE catalog. Please mention this publication. Address

EVERGREEN FARMS, COLUMBUS JUNCTION, IOWA

BERKSHIRES | Leptospirosis Hits

FEED BP Blended Protein

FEED of CHAMPIONS

FOR MARKET OR SHOW RING

First in Leadership! First in Quality! First in Championships!

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When Mastitis strikes your cows, use Beebe Laboratories fast acting, safe and sure.

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Quickly and easily brings them back to full milk productivity. Contains the wonder drugs sulfas and penicillin—fights mastitis causing organisms. Prompt treatment with Beebe Triple-Triple will save you many times its low cost.

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OUTSTANDING ANGUS CLUB CALVES FOR SALE

From a double bred grandson of Bell Boy MK or from his daughters and by a grandson of Bandolier 44th of Wilton.
Also bred cows and heifers of similar breeding.

CORNIE MEINDERS & SON
New Sharon, Iowa
Farm 8½ miles Southeast
Phone Orchard 22074, Oskaloosa, Iowa

KATHMAR ANGUS FARMS

Want a Bardolier?

DONAHUE, IOWA

HERD SIRES:
BARDOLIER 40th OF WILTON
son of Black Bardolier of White Gates 3rd
BARDOLIER 7th OF WILTON
son of Eventore Quality Bardolier
Females, ANNUITY, BEAUTY OF HAYSTON, MISS BURGESS, BURGESS, BLACKCAP BESSIES, ELBAS, ERICAS, KATINKAS, and many others.
DR. O. E. BLOCK
718 1st Natl. Bldg. Davenport, Iowa

Eileenmere W. 484th, Grandson of "500th" International Champion

STUDER STOCK FARM

20 choice rugged ANGUS yearling bulls, ready for service. Mostly EILEENMERE, some SUNBEAM and Imported breeding. Also bred and open heifers. Popular blood lines. REASONABLE.

BEN. G. STUDER
Wesley
Iowa

ANGUS BULLS

Choice two-year-old Bandolier bull, a son of GREAT OAKS ROSEMAR 4th, for sale. Also good young bulls ready for service. Top quality, richly bred, pleasing type. Best breeding. Priced to sell.
Farm 6½ miles west on Main Street.

WALTER & J. R. WILKINSON,
Marshalltown, Iowa

M. B. ANGUS FARMS

PRINCE QUALITY OF SUNBEAM

His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls, BAR QUALITY M. B. by Prince Quality of Sunbeam, BAONAS PRINCE ERIC 21st by BLS Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S.W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 35.

MAAS BROS., RIVERSIDE, IOWA
Meredith, Meredith, Jr., and Donald

CHOICE FARMER BULLS

Rugged **ANGUS** bulls, ready for service . . . **EILEENMERE-BELL BOY** Breeding, nothing better. Will also sell **EILEENMERE ERIC**, a top 4 year old tried and proven sire. Genuine Herd Bull for someone. You can see his calves at Farm. **REASONABLE**. Will deliver **FREE** up to 150 miles. Act now.

I. E. KEMP **MARION, IOWA**

SLOW DOWN AND LIVE!

FEEDER CATTLE

MISSOURI COOPERATIVE

FEEDER CATTLE SALES

54,000 Cattle — 39,000 Calves, 15,000 Yearlings will sell in Missouri Cooperative Feeder Cattle Sales, September 17 to October 20, 1956. For catalog write M. S. Barnett, 230 Mumford Hall, Columbia, Missouri. Watch for detailed advertising.

ANGUS-HEREFORD STEERS

47 yearling **ANGUS** steers, 57 yearling **HEREFORD** steers. Good quality, no horns, will sell any number.
Reasonable.

M. T. WINSTON
Rt. 1, ARMSTRONG, MISSOURI

HEREFORDS

REGISTERED HEREFORDS

Bloodlines: **Battle Pioneer 54th, Domino Heir Q.; Real Heir L.**
Bulls and Females for sale.
BUSH HEREFORDS LAKE PARK, IOWA

SKOW'S STOCK FARM

Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for Bangs. Sired by **TH LARRY ONWARD 25th** 6745189, son of Thorp's famous MW Larry Onward 13th. Reasonable.
JOSEPH A. SKOW WESLEY, IOWA

HEREFORD FEMALES

10 Choice registered open heifers coming two years old. Sire, ELATION breeding out of WHR bred Dams. REASONABLE.
HARRY NAFFZIGER LU VERNE, IOWA

POLLED HEREFORDS

CURRAN POLLED HEREFORDS

For Immediate Sale

Choice Herd Bull prospects by **CSF CHOICE DOMINO 2d, ALF. REAL ONWARD 16th, REGULATOR DOMINO 16th** and **CSF IOWA CHOICE 10th**. Herd federally accredited, all females officially calfhood vaccinated.

Curran Stock Farm, Mason City, Iowa

ROBERT • GILES • LESTER
• SD&S •
VIRGIL • JOE • NORBERT

Production Sale Sept. 29, Knoxville, Iowa
JOHN DITTMER & SONS, LACONA, IOWA

★ DAY POLLED HEREFORDS

We are sold out of serviceable age bulls at present, but have a few younger bulls as well as heifers for sale.
ERNEST DAY & SONS GRIMES, IOWA
10 Miles Northwest of Des Moines

POLLED SHORTHORNS

HILL BROOK FARM

POLLED SHORTHORN bulls, serviceable age with size and quality, by V. V. ROYAL LEADER 10th and SHADYBROOK COMMAND 53d. Priced right.
OTTO F. SCHRUNK & SONS, MAPLETON, IA.

SHADYBROOK FARMS
Production-Tested POLLED SHORTHORNS
The only profitable kind.
Always choice Bulls for sale.
BERT A. HANSON, VERNON CENTER, MINN.
Farm 30 miles north of Iowa line on U. S. 169

POLLED SHORTHORN BULLS

Choice Purebred red and roans, ready for heavy service. 100% Vaccinated. Phone Castana 602. REASONABLE.
PHILIP JOHNSTON & SONS, CASTANA, IOWA

DAIRY CATTLE

NOTICE—Dairy Calves. If calves are shipped or delivered on approval, full responsibility is assumed when purchaser accepts delivery. Remember calves are young, some are small, which much be considered when buying.

WANTED—ORDERS for high grade Wisconsin dairy heifer calves. Holstein and Guernsey. Bangs tested and vaccinated for shipping fever. Delivered by our truck, C.O.D. your farm in lots of 5 or more. Dairy heifers, open, bred and springing. Also cows available. Jay Sheafor, Jr., Richland Center, Wisconsin.

BROWN SWISS BULLS

Choice registered Bulls for sale, serviceable age. Good type, high production. Farmer prices.
DANNEN RESEARCH FARM
Box 429, ST. JOSEPH, MISSOURI

HOLSTEINS AND GUERNSEYS

Choice Dairy Heifers from **550** to **900** pounds. **HOLSTEINS** 13½c per pound. **GUERNSEYS** 11c and 12c per pound. All heifers sold by pound. Also springing cows and heifers. Write or call
LINK BROTHERS, Inc., MINONG, WISCONSIN

TOP QUALITY
Holsteins, Guernseys, Brown Swiss.
All ages. Priced right.
J. M. McFarland, Watertown, Wisconsin

When writing to advertisers, will you please mention this paper.

Kill Horn Flies On Cattle

Horn flies are attacking cattle thruout Iowa at this time of year, according to Iowa State College entomologists. They are the first flies to show up in the spring. They are particularly numerous in early summer and stay all summer.

The entomologists say these flies may reduce weight gains on beef cattle one-fourth pound daily and reduce dairy cows' milk production 10 to 20 percent. This much damage is credited to horn flies alone, and other flies may cause additional loss.

The horn fly never leaves the animal on which it is feeding except when the animal switches its tail or when the fly lays its eggs. The eggs are laid only in cattle droppings less than an hour old. The flies congregate in clusters on the backs, shoulders and heads of the cattle.

Earle Raun, extension entomologist, says it is simple to control these flies. You can set two posts in your barnyard or cattle lots about 15 to 18 feet apart with a metal cable chain or twisted barbed wire hanging between them at a height that makes it a convenient back rubber for the cattle. Wrap the cable in burlap and soak the burlap every two or three weeks with a solution of five percent DDT for beef cattle or five percent methoxychlor for dairy cattle. They will rub on this and cover themselves with the fly killer.

If you prefer you can spray the cattle about once every two weeks with an insecticide solution. However, Raun says many farmers say they find the cable-type rubber does the job and takes less labor. For spray use about one quart of a one-half of one percent insecticide solution per animal.

The Howard Hildreth & Son, Estherville, Iowa, **Shorthorn** dispersion at Spencer, Iowa, Sept. 1, under the able management of Albert J. Hamann drew good attendance.

4 bulls averaged	**$411**
53 females averaged	**$245**
57 lots averaged	**$256**

The top bull, Kirkton Craftsman by Greenwood Craftsman, a July yearling, sold for $625 to Bruno Bockman, Holstein, Iowa. The herd bull Broadlawn Outlook 10th, a roan three-year-old son of Calrossie Outlook, sold for $450 to John Stickrod, Wall Lake Iowa.

The top female was Bessie 159th and bull calf by Broadlawn Outlook 10th and sold for $475 to Loren Meyer, Ellsworth, Minn. Dorothy Gloster S. 6th and heifer calf by same sire went at $415 to Kenneth Kroger, Hartley, Iowa. Dorothy Gloster H.H. 2nd and heifer calf by Broadlawn Outlook 10th brought $435 and were purchased by Carol Hursten, Woodbine, Iowa. Dorothy Gloster 4th H. by Sandoon Captivator went at $300 to Harry Swanson, Holstein, Iowa. Queen of Rothes H. also went to Swanson at $310. Lady Goldie 67th went to Kenneth Kroger at $395. Red Gloster was bought by Dr. C. V. Johnson, Lennox, So. Dak. at $300. Auctioneer was J. E. Halsey.

Members of the **Iowa Southern Angus Breeders Association** will hold their annual field day and open steer and heifer show on Sunday, Sept. 16, at the fairgrounds in Osceola, Iowa. All are invited to attend.

The United States meat industry is the world's largest. Its output is 25 billion pounds a year.

DAIRY CATTLE

WISCONSIN'S GOOD QUALITY

HOLSTEIN AND GUERNSEY DAIRY HEIFERS AND HEIFER CALVES
Any age. Will deliver any sized order on approval by truck.
ROSS BLOTT, Box 527, MUKWONAGO, WIS.

WISCONSIN HOLSTEINS AND GUERNSEYS

CHOICE COWS, HEIFERS AND CALVES
Delivered on approval.
JAMES E. WELCH, R. 1, MUKWONAGO, WIS.

SHORTHORN SALE

GREGORY, S. DAK.
SATURDAY, OCT. 6
200 Head

STEER AND HEIFER CALF SALE
Starting at 10:00 A.M.
100 Steers - 63 Heifers
REGISTERED SHORTHORNS
Starting at 2:00 P.M.
14 Bulls - 23 Females

Bulls big, rugged, smooth yearlings, 9 by SUNRISE CONSUL, 2 by LANE VIEW DUPLICATOR. THE FEMALES include 5 cows and calves, 13 bred cows and heifers, 5 open heifers. Six are **Polled** females by son of OLD GLOSTER.

STEERS & HEIFERS—Every steer is a registered sire out of a registered cow. All heifer calves are registered and pedigrees furnished. Both have been tattooed. Selected from a 400 cow herd—rich breeding. Plan to attend. Ask for FREE catalog. Address

MERVIN F. AEGERTER, Sale Mgr.
Seward, Nebraska
Otto Thiede & Sons, Owners, Burton, Nebr.

Sumption Shorthorn Club CALF SALE

Sioux Empire Fair Grounds
Sioux Falls, S. Dakota
Saturday, October 13
100 HEAD
SHORTHORN STEERS
TOP QUALITY CALVES

Steers from this Farm at 1956 National Western Stock Show, at Denver, won **1st, 2nd** and **3rd** in their class, JUNIOR DIVISION, Fat Stock Show, purchased in our 1954 sale. The steers selling this year are by same sires.

EDELLYN ROYAL LEADER 183rd
EDELLYN ROYAL LEADER 187th
EDELLYN ROYAL LEADER 173rd
EDELLYN ROYAL LEADER 153rd
LOUADA EVENTIDE

Breeding at its best. You can secure a winner here. Plan to attend. For FREE information write and kindly mention this publication. Address

WILLARD SUMPTION
Sale Manager
Frederick, South Dakota

GUERNSEYS

MINNESOTA STATE

Guernsey Sale

At Brandtjen Farm 3 Miles North on No. 218, at
FARMINGTON, MINNESOTA
MONDAY, OCTOBER 15
50 GUERNSEYS
FROM MINNESOTA'S TOP HERDS
4 top bulls from High Record Dams
Consignments include those from outstanding breeders, in IOWA, NEBRASKA, WISCONSIN and NORTH DAKOTA. Ask for FREE catalog. Address
L. V. WILSON, Secy.
Rt. 1, Owatonna, Minn.

GUERNSEY DISPERSAL

Registered Milking Herd
36 COWS - 5 BULLS - 2 HEIFERS
WEDNESDAY, OCT. 17 — 12:30 P.M.
20 cows just fresh, 10 springers and 4 bred heifers. A highly regarded herd in the State. Ask for catalog.
C. H. Jennings, Rt. 4, Iowa City, Ia.
Plain View Farm

HOLSTEINS

HOLSTEIN BULLS

Choice registered bulls offered, serviceable age, fine individuals by Proven Sires from our best Dams for TYPE, UDDER and HIGH PRODUCTION. Popular blood lines. REASONABLE.
MAYTAG DAIRY, Inc., Bx. 506, NEWTON, IA.

HOLSTEIN HEIFERS

Choice quality and markings, grade heifers, **800** to **1,000** pounds at **13c** per pound. Tuberculin and Bang's tested. Also lighter heifers.
ED HOWEY, SOUTH ST. PAUL, MINNESOTA

Registered and Grade Holsteins

Calves and bred heifers. Popular breeding.
Bang's and **T.B.** tested.
GEORGE PIPER FARM, WATERTOWN, WISC.

HOLSTEINS FOR SALE

MONTH OLD FOUNDATION HEIFERS.
Tested. Delivered your door collect. 50 or more on hand. Inspection invited.
GLENN CLARKE, Rt. 10, SO. ST. PAUL, MINN.

HOLSTEINS FOR SALE

High Grade Holstein cows and heifers to freshen this fall.
R. C. JONES, WEST CONRAD, MINN.

JERSEYS

GOLDEN SUNSET JERSEYS

Wonderfully choice bull calf, Oct. '55; Sire's dam 3-yr. old 11,157 lbs. milk, 592 lbs. fat; 5 of 7 nearest dams' av. 13,200 M., 734 F.; Sire of dam, his dam 16,363 M., 755 F.; 3 nearest dams' av. 13,625 M., 704 F. Splendid herd sire prospect. Price $250.
ENNIS JERSEY HERD FESTUS, MISSOURI

MILKING SHORTHORNS

Illinois Northwest District
Milking Shorthorn Sale
Pecatonica, Ill., Sat., Sept. 29
Fair Grounds
40 FEMALES — 5 BULLS
Selected from leading herds in this District. Good breeding, desirable quality. Ask now for **FREE** catalog. Address
Clarence Gleasman, R. 1, Rockton, Ill.

POLLED MILKING SHORTHORNS

Polled Milking Shorthorns

Choice registered Bull and Heifer calves, red and roans, 1 month to 1 year old. Reasonable.
HAROLD OTDOERFER, Strawberry Point, Iowa

BERKSHIRES

BERKSHIRE SALE
Comfortable Sale Barn
HOLSTEIN, IA., MON., OCT. 1
Night Sale 7:30 P.M.

20 BOARS - 20 GILTS
5 BRED SOWS - 5 FALL PIGS

The Boars and Gilts are rugged, well-grown, by **BONNIE ACRES JEFFERSON 2000th**, and "500th", and **SURMOUNTS STYLE**, the 1956 Missouri Reserve Grand Champion. 5 choice bred sows and 5 **TOP** Fall pigs. We offer 1st Sr. Spring Boar at Missouri and Junior Champion at Davenport.

A FEATURE: Every time sale total reaches $1,000, a FREE Berkshire will be given to person buying last animal. One FREE to each $1,000 gross sale receipts.

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Leptospirosis Hits Cattle And Hogs

Altho it does a lot of its work unnoticed by farmers, leptospirosis takes a big toll from many cattle and swine herds. According to L. D. Kintner, staff member of the University of Missouri School of Veterinary Medicine, leptospirosis is the fourth most important disease of cattle, is even more prevalent in swine, and also affects man, horses, sheep, and goats to a lesser degree.

Kintner points out that random sampling of large numbers of cattle shows an infection rate of three to 15 percent. In some areas, 25 percent of the herds have had infected animals making the disease, in these instances, much more prevalent than brucellosis.

With cattle, leptospirosis causes abortion in about 10 to 50 percent of the animals exposed during pregnancy with abortions occurring during the latter half of pregnancy. And, there is a marked drop in milk production at the time of infections. In older cattle, recovery without treatment is the rule.

The disease tends to be more severe in calves and immature cattle and may cause deaths—sometimes occurring after an illness of only 12 hours. Young animals that do recover from the disease are often stunted, the University veterinarian says.

Cattle infected with the disease shed leptospirosis organisms in their urine for several months following recovery.

Thus perfectly normal appearing cattle may be extremely dangerous as a source of exposure to other animals.

With swine, sows that get the disease early in pregnancy often have weak pigs that may die several days after farrowing. Sows exposed late in pregnancy usually abort one to two weeks prior to full term. Cows and sows that have aborted because of the disease will have normal offspring at the next gestation.

Leptospirosis is common in feeder pigs, but in most cases they show no symptoms and make normal gains.

Leptospira are shed from the urine of infected swine in enormous numbers and for as long as one year following exposure.

Carrier pigs are the major source of exposure for healthy pigs, cattle and humans.

Exposure occurs when urine from a carrier animal comes in contact with breaks in the skin or mucus membrane of a healthy animal. Unfenced ponds and stagnant water are ideal for the spread of leptospirosis, Kintner says. Splashing of urine on concrete floors aids in spreading the disease in dairy cattle.

Fortunately, organisms are killed by most common disinfectants. Freezing and thawing, drying, or exposure to sunshine kills the organisms.

An effective bacterin is available for the vaccination of cattle and swine.

Immunity probably lasts only about six months but is useful in controlling outbreaks. It is also used for the protection of animals loaned for breeding or for animals on a show circuit.

Since the disease is often so mild that symptoms go unnoticed, great care should be taken not to bring a leptospirosis carrier into the herd. Replacement should be given a blood test.

Therefore, it's a wise precaution to keep any herd replacement in isolation for several weeks.

Kintner suggests that farmers spend a little time discussing leptospirosis problem with their local veterinarians. He feels the advice gained would certainly prove valuable in keeping the disease off of the farm.

Also, a veterinarian should be consulted in the event of an outbreak of the disease because of its contagious nature—both to other animals and humans.

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TOLEDO, IOWA
A large selection of spring boars and gilts for sale by **TOLEDO'S BOMBER**, a son of Grand Bomber, 1st, a meat type sire. Also by **GENETIC MODEL** by Genetic Giant, 1955 Iowa State Fair Grand Champion Boar. Visit the farm and look them over.

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POLAND CHINA Boars, March farrow. Outstanding quality, popular blood lines, with size, priced to sell.
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30 BOARS - 20 GILTS
Choice, well-grown, sired by **THE THUNDERBIRD, C.M.S.**, the 1955 **Premier Sire** at Nebraska State Fair and one of the highest **Certified** Boars of the breed. 5 barrows ave. **214** lbs. **20.3** inches long, loin eye muscling ave. **5.32**, back-fat **1.42**, also herd record 17 **N.I.** litters and 13 PR litters. Highest number of litters by one boar in the breed. COME! Ask now for FREE catalog. Please mention this publication.
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20c per lb.
Fall and Spring Boars for sale
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Choice **Rams** and **Ewes, 20** yearlings and older **Rams**, of good size and type. Reasonable. (Farm near Springville.)
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Choice yearling and ram lambs. Corriedale Ewes. Our usual fall offering. Reasonable. Satisfied customers since 1939.
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Closing out **80** purebred HAMPSHIRE EWES, **50** years of breeding. Am quitting. Act Now.
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Guaranteed breeders at farmers prices. No Sunday sales.
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Choice Pups and Natural Bob Tails, either sex and spayed females. **$10.** We raise our own dogs and are guaranteed breeders, year's trial.
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— BEST YET —
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Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
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Genuine English Shepherd and Border Collie Pups. (Either sex—also spayed females $15.00.) Order direct from this ad. Give color. (Satisfaction guaranteed.) 65,000 satisfied customers. (45 years on same farm.) Stepsaver-heeldriving farm dogs. No fooling. Training instructions, year trial, distemper vaccinated. Runfts Kennels, Reinbeck, Iowa.

Purebred Border Collies English Shepherds America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
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Workers — Companions — Guards. Shepherd puppies from working stock. Write for free lists.
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Guaranteed breeders. Year's trial, training instructions. Males, females or spayed females.
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Guaranteed heelers, year's trial. Males, females, spayed females $15.00. Training instructions. Distemper vaccinated. Also Registered Collies.
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Of folks and farming

By Chuck Worcester,
WMT & WMT-TV

IOWA'S COLORFUL COUNTRYSIDE becomes a glorious splash of red, yellow, orange and brown this time of the year. In late September and early October the maples, oaks, sumac and hickory make Iowa woodlands as beautiful as any in the world. Winter has its peaceful, sparkling whiteness; spring . . . the earthy fragrance of newly plowed fields; summer brings the deep green of growing crops and the hope of a good harvest. But for nature's truly magnificent beauty . . . the fall season tops them all.

YOUR BEST INSURANCE against serious trouble with young feeder calves is famous KENT CALFGO. More and more midwest feeders recognize the value of a highly fortified feed that can help eliminate death losses and will get your calves started fast. Kent Calfgo contains high levels of Vitamins A & D, milk products and B complex vitamins. In case of special need Calfgo can be ordered containing 70 milligrams of antibiotics per pound. At very small extra cost, Calfgo provides double-value insurance through reduced veterinary bills and those fast early gains.

THE CATTLE PRICE RISE last month came at just the right time to offer valuable encouragement to our farmers of tomorrow. 4-H and FFA young folks who worked all year long on their baby beef projects found a pleasant reward in a favorable sale price this year. While a year ago, Pete's two club calves netted a $7 profit . . . this year the margin was about $70 for his two Kent fed Herefords. Hats off to the packers and businessmen who bid a 1 to 3 cent a pound premium at these calf club sales.

TREMENDOUS RESULTS are being reported by folks using the new Kent "80 Series" egg feeds. They all tell the same story of increased production and more profit in the egg business. Special introductory offers make the "80 Series" still more attractive: 50 pounds of feed free with every 500 pounds you buy. Also 3 pairs of quality scissors can be yours with the purchase of 100 pounds of Kent "80 Series" feeds plus 88c. Your Kent dealer has all the details on this offer and on Kent's amazing guarantee of more eggs than any other feed can produce in your flock.

SCHOOL MUST BE MORE FUN than it used to be. Stell and I have been amazed at how the boys are enjoying the new school year. There was a day when "back-to-school" in the fall was dreaded almost as much as a trip to the woodshed. Bigger and better schools have made possible more activities that are real fun for youngsters. The school band is a good example. Pete puffs away on the baritone . . . Dave the trombone and Steve the cornet. They make quite a brassie outfit . . . especially when they all get to practicing at the same time. Even the dog objects to that . . . and usually starts to howl.

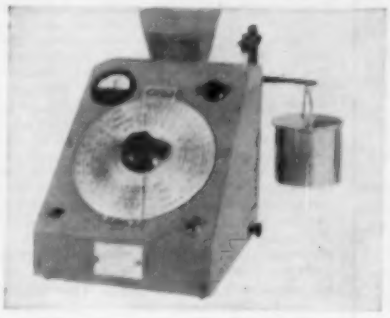
FALL PIGS NEED a good start if they are to keep growing straight through to early market. KENT Pig Nuggets are doing the job for more successful hog producers every year. You get faster gains, greater feed efficiency and more disease resistance during the first few weeks. Pig Nuggets provide fool-proof levels of proteins, vitamins, minerals plus 65 grams of antibiotics per ton. If you're looking for the best in a pig starter, yet reasonably priced, see your Kent Feeds dealer.

MANY PLEASANT SUMMER MEMORIES include the family "assembly-line" for freezing fruits and vegetables. Sweet corn was a good example. Mom and I picked it . . . everybody did the husking, even Rickie and Julie. Then when the little ones were in bed, Steve did the blanching, Dave the cooling, Pete was traffic manager and supply supervisor for corn, boxes, cobs, and so forth. I did the cutting (including the end of one finger) and Mom was chief packager. Our record was 36 pints in less than one hour.

A CLEAN SWEEP FOR KENT again at four State Fairs. When the judges picked Larry Lein's fancy Hereford "Shorty" as the Grand Champion Baby Beef at the Iowa State Fair this year, that made four in a row for Kent Feeds. Grand Champions at Illinois, Indiana, Wisconsin and Iowa were all Kent fed all the way this year. More and more Kent fed cattle are taking the purple ribbons in the show ring . . . and turning a nice profit for commercial feeders at the market. These same Kent feeds can do an amazing job in your feedlot this fall and winter. See your Kent dealer for a copy of the famous Kent Beef Cattle Feeding Program. (Advertisement)

KENT FEEDS, Muscatine, Iowa—Sioux City, Iowa

For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.



Moisture meter is made for farm use in testing moisture content of grain. Operates electrically from battery or high line current. Said to be accurate on all kinds of grain. Made by Radson Engineering Corp.

New husker-sheller is adaptable to one- or two-row pickers. Or can be used for shelling from cribs. Cob stacker available for this purpose. Has its own air-cooled engine. OMC husker-sheller is made by Owatonna Manufacturing Co.

Paint is said to make a slate-like writing surface when applied to wood, masonry, wallboard or metals. Can be applied with brush or spray. Designed for children's rooms, schools, etc. Ordinary chalk and erasers can be used. Made by Sapolin Paints, Inc.

Pitless adapter for wells is said to provide frost protection and access to working parts of pump when necessary. Also assures clean sanitary water as required by Board of Health rules. Made by Merrill Manufacturing Co.

Hand pump is designed to dispense petroleum products. Pumps on both forward and back strokes. Adaptable to drum or skid-tank installation. Made with hose and nozzle or with spout by Tokheim Corp.

Sows that have weaned pigs, such as the ones shown here, usually bring highest prices of the fall in September. Price decline September to October averages about $1.

What's Ahead...

FARMERS are likely to reduce sows for spring pigs again this fall if corn and hog price guesses are accurate. New corn is expected to average around $1.20, and hogs about $14 at sow breeding time. That would be a price ratio of less than 12 to one.

Homer Hush

Since 1924, the corn-hog price ratio has been under 12 to one at breeding season 15 times. In all but one of those 15 years, sow numbers were reduced. So a cut this year seems very probable.

Since we've had two cuts in pig crops —spring and fall of this year—another cut should put hog prices at profitable levels by late next year.

Either of two things, however, might prevent another pig crop cut and price recovery for hog raisers. One is the prospect of cheaper corn thru lower corn loans next year. Another is a sow increase by farmers in an attempt to cash in on the next period of higher hog prices.

STOCKER AND FEEDER cattle movements, from all reports, are larger since July 1 than for the same period a year before. All weights of cattle moving to farms show increase in numbers. So another big cattle feeding year appears to be ahead. Yet feeder cattle are being bought at or above prices of a year before.

It looks like a gamble, considering the supply situation, to buy feeder cattle with the expectation that fat cattle prices in the first half of next year will be higher than they were in first half of this year.

CORN PRICES at harvest time will depend somewhat on moisture content of corn. If corn in your area is above 20.5 percent moisture and can't be sealed, there'll be lots of "free corn". But if corn is dry, the $1.25 loan available to all producers will tend to put a floor under corn prices.

SHIPPING HOGS to eastern Corn Belt markets will not likely pay this year. The spring pig crop is down about four percent in the eastern Corn Belt and down 15 percent in the western Corn Belt. That should tend to keep bids relatively strong at markets west of the Mississippi River.

EGG PRODUCERS can expect that this year's laying flock will have about two percent more young layers than a year before. Whether the big holdover of old hens will be repeated is not known. But egg production will be larger than for last season. The trade expects lower prices.

SLIGHTLY SMALLER MEAT production appears ahead. Pork production may be down a little more than beef and poultry production are up. So if employment and purchasing power remain high, meat animal prices, on the average, might make some gains in the next year.

But the prospective decrease in meat supplies does not justify increased production by farmers. Prices are too low now. And just a slight decrease in employment and purchasing power would offset the decrease in meat.

NEW GALLIMYCIN®

POULTRY FORMULA

protects profits... boosts feed conversion...

helps keep sick birds on feed and water

New GALLIMYCIN Poultry Formula helps maintain weight gains in broilers and keep egg-production high in laying flocks... even when CRD or Blue Comb strikes! This superior new disease fighter helps keep sick birds from slowing down... keeps broilers gaining and hens laying... increases water consumption in a matter of hours and quickly boosts feed consumption.

New Specific-Type Antibiotic

GALLIMYCIN differs from the commonly used wide range antibiotics. It searches out and uses its full power against specific types of infectious organisms without harming helpful organisms necessary for health and growth. Among the organisms which GALLIMYCIN is most effective in controlling are those associated with Chronic Respiratory Disease (air sac) and Blue Comb (mud fever, nonspecific enteritis).

Doesn't Upset Intestinal Balance

When GALLIMYCIN is used, there's no fear of harming useful intestinal organisms necessary for good health and maximum growth or production. Thus fungus infections and forms of enteritis sometimes seen following treatment with other commonly used antibiotics are not a problem when GALLIMYCIN is used.

No Expensive Vitamins Needed!

GALLIMYCIN saves you money in another way. You don't need to add extra and *expensive* B-Complex vitamins to your rations because it doesn't interfere with vitamin production in the intestinal tract. When you use GALLIMYCIN, your birds continue to get the vitamins they need from their regular feeds or supplements.

Protected Against Acid Action

Some antibiotics when given in feed or water may be partially destroyed by strong intestinal acids before they have a chance to go to work. GALLIMYCIN is not affected by this acid action—all of it is readily absorbed into the blood to fight disease.

GALLIMYCIN Is More Effective

At the University of California, GALLIMYCIN controlled tracheal infections more effectively than certain wide range antibiotics of the tetracycline group. Other studies also show GALLIMYCIN *500 to 1000* times more active against five separate strains of infectious organisms associated with CRD!

So, next time CRD or Blue Comb strikes your flock, get GALLIMYCIN!

Where to get GALLIMYCIN

Dealers in most areas have already received supplies of new GALLIMYCIN —in ½, 1 and 5 lb. packages. Other areas are being supplied as quickly as possible. If your veterinarian, drug store or dealer doesn't have GALLIMYCIN, ask him to write Veterinary Division, Abbott Laboratories, North Chicago, Illinois.

Abbott

ABBOTT LABORATORIES

Veterinary Division • North Chicago, Illinois

How STALEY Has Hybridized Egg Atoms To Give You 40 to 70 More Eggs Per Hen!

Today's high-producing hens, hybrids or standard breeds, have been bred to lay dozens more eggs than the hens of five or even three years ago.

But they need more protein than ever, and the right combination of proteins, with other important elements, to make those eggs. Grains don't provide more protein. Indeed, hybrid corn provides less than old open-pollinated corn did.

Staley HYBRIDIZED Egg Atoms *do* supply that new high level of properly selected egg-making proteins. According to an authoritative college report, the added amount of protein Staley now gives provides the protein alone a hen would need, with a good high-energy ration, to give you 40 to 70 more eggs per year!

For instance, old-style feed-protein levels are usually only adequate, with today's hybrid corn, to permit even the best-bred hen to lay 190-210 eggs a year. The new HYBRIDIZED Staley Duo Egg Atoms, using the same grain, would allow the same hen to lay 270 to 280 eggs! And the results with other grains are in proportion!

You've got modern hens — modern grains. Don't handicap them with an old-style feed! Switch now to HYBRIDIZED Staley Egg Atoms. Unlock those extra eggs your hens could lay — see your Staley dealer *now*.

411-56P

SPECIAL OFFER!

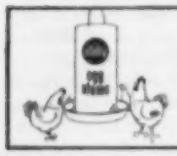
HANGING FEEDER

Here's more than a "deal"—it may be the way to make some of your hens really good layers instead of loafers. Too often so-called "loafers" are just timid hens, who are chased away from the feeders by more aggressive birds. They don't lay because they don't get enough to eat!

This Staley Hanging Feeder is your answer to the problem of getting enough feeder space even for the timid hens. Here's a real $3.98 value—ample for 10 to 15 hens, at a saving of over half—

$1.98 with every purchase of 200 lbs. of Staley Egg Atoms

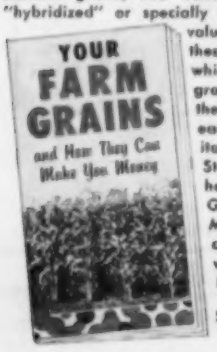
$3.98 Value



FEED SPACE — EVEN FOR TIMID BIRDS

How Can Grains, Too, GIVE YOU MORE EGGS?

Modern grains, like modern hens, have often been "hybridized" or specially bred to have new feeding values. It pays to know what these feed characteristics are—which grains, or combinations of grains, do the best job; what the strengths and weaknesses of each grain are. Get the authoritative new pamphlet which Staley's research department has produced: "Your Farm Grains and How They Can Make You Money." It's free, at your Staley dealer's or write to Staley Milling Co., Kansas City 16, Mo.



STALEY MILLING COMPANY
Kansas City & St. Louis